

حمل الآن

مجانا وحصريا

المراجعة رقم (1)

الترم الثاني





Second term Questions Bank



Question 01

choose the correct answer

- 1 $\frac{1}{8} \div m = \frac{1}{32}$, then m=
- (a) 4 (b) $\frac{1}{4}$ (c) 32 (d) $\frac{8}{32}$
- 2 Ais a circle divided into sectors .
- (a) Height (b) Pie graph (c) sector (d) Bar graph
- 3 the measure of an acute angle the measure of a right angle
- (a) < (b) > (c) = (d) otherwise
- 4 The opposite triangle is
- (a) right (b) Obtuse (c) acute (d) otherwise
- 5 $3\frac{2}{5} \times 5 = \dots\dots\dots$
- (a) $\frac{17}{5}$ (b) 5 (c) 17 (d) $3\frac{10}{5}$
- 6 It is impossible to draw a triangle with two Angles .
- (a) Acute (b) Obtuse (c) right (d) both b and c
- 7 The measure of an acute angle may be °
- (a) 0° (b) 40° (c) 90° (d) 170°
- 8 $\frac{4}{11} \times \dots\dots\dots = \frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{2}{11}$
- (a) $\frac{14}{11}$ (b) $3\frac{1}{2}$ (c) 4 (d) $\frac{6}{11}$
- 9 $\frac{8}{15} \times b = \frac{8}{15} + \frac{8}{15} + \frac{4}{15}$, then b =
- (a) $\frac{20}{15}$ (b) $3\frac{1}{2}$ (c) 3 (d) 2.5
- 10 $\frac{3}{12} + \frac{3}{8} + \frac{2}{6} = \dots\dots\dots$
- (a) $\frac{23}{24}$ (b) $\frac{1}{6}$ (c) $\frac{8}{12}$ (d) 1



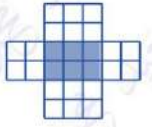
- 11 Volume of  is Cube units .
 (a) 3 (b) 4 (c) 5 (d) 10
- 12 $\frac{4}{9} \times 0.5 = \dots\dots\dots$
 (a) $\frac{8}{9}$ (b) $\frac{20}{9}$ (c) 20 (d) $\frac{2}{9}$
- 13 $\frac{8}{15} \times 0.25 = \dots\dots\dots$
 (a) $\frac{1}{4}$ (b) $\frac{25}{15}$ (c) 24 (d) $\frac{2}{15}$
- 14 It is impossible to draw a triangle with one Angles .
 (a) Acute (b) Obtuse (c) right (d) both b and c
- 15 90 minutes = hours
 (a) $12\frac{1}{2}$ (b) $3\frac{1}{2}$ (c) 30 (d) $1\frac{1}{2}$
- 16 The solid which has 5 vertices and 8 edges is
 (a) Cone (b) Cube (c) cuboid (d) Pyramid
- 17 The measure of an acute angle The measure of an obtuse angle
 (a) < (b) > (c) = (d) otherwise
- 18 $8 \div e = 40$, then e =
 (a) 40 (b) $\frac{9}{40}$ (c) 5 (d) $\frac{1}{5}$
- 19 $\frac{7}{9} - \frac{3}{9} = \dots\dots\dots$
 (a) $\frac{4}{9}$ (b) $\frac{5}{0}$ (c) 1 (d) $\frac{10}{9}$
- 20 $m(\angle A) = 40^\circ$, $m(\angle B) = 70^\circ$, $m(\angle C) = 70^\circ$, then it is atriangle .
 (a) right (b) Obtuse (c) acute (d) otherwise
- 21 $3\frac{2}{6} \times \frac{\dots}{6} = 3\frac{2}{6}$
 (a) $\frac{6}{6}$ (b) $3\frac{2}{6}$ (c) 6 (d) $\frac{1}{3}$
- 22 $\frac{6}{6} \times 2 = \dots\dots\dots$
 (a) $\frac{6}{6}$ (b) $2\frac{1}{6}$ (c) 2 (d) $\frac{5}{2}$
- 23 $\frac{1}{5} \div 7 = \dots\dots\dots$
 (a) 1 (b) $\frac{1}{35}$ (c) 35 (d) $\frac{5}{7}$
- 24 the opposite triangle is
 (a) scalene (b) Equilateral (c) isosceles (d) Otherwise



- 25 Data can be represented by
 (a) Line plot (b) Pie graph (c) pictograph (d) All of them
- 26 Triangle has 2 acute angles and 1 right angle .
 (a) right (b) Obtuse (c) right (d) otherwise
- 27 the measure of an obtuse angle is 90°
 (a) $<$ (b) $>$ (c) $=$ (d) otherwise
- 28 the number of horizontal layer is
 (a) 3 (b) 4 (c) 5 (d) 10
- 29 cube has Faces .
 (a) 12 (b) 6 (c) 0 (d) 8
- 30 18 months = Year
 (a) $\frac{18}{12}$ (b) $3\frac{1}{6}$ (c) 3 (d) All of them
- 31 the simplest form of $4\frac{2}{10}$ is
 (a) $4\frac{3}{4}$ (b) $4\frac{1}{5}$ (c) $\frac{42}{10}$ (d) $2\frac{3}{4}$
- 32 $\frac{25}{8}$ is equivalent to
 (a) $2\frac{1}{8}$ (b) $3\frac{1}{25}$ (c) $3\frac{1}{8}$ (d) $\frac{8}{25}$
- 33 $3\frac{5}{6}$ is equivalent to
 (a) $2\frac{5}{6}$ (b) $4\frac{1}{25}$ (c) $3\frac{1}{6}$ (d) $\frac{23}{6}$
- 34 $3\frac{2}{6}$ is equivalent to
 (a) $2\frac{8}{6}$ (b) $3\frac{1}{6}$ (c) $2\frac{2}{6}$ (d) $\frac{23}{6}$
- 35 $8\frac{8}{8}$ is equivalent to
 (a) $9\frac{5}{6}$ (b) $8\frac{1}{8}$ (c) 81 (d) 9
- 36 $4\frac{2}{10}$ is equivalent to
 (a) $4\frac{20}{100}$ (b) $4\frac{1}{5}$ (c) $\frac{42}{10}$ (d) All of them
- 37 $m(\angle A) = 90^\circ$, $m(\angle B) = 60^\circ$, $m(\angle C) = 30^\circ$, then it is atriangle .
 (a) right (b) Obtuse (c) acute (d) otherwise



- 38 $8\frac{1}{6} + 3\frac{1}{5} = 9 + 3\frac{1}{5} - \dots\dots\dots$
 (a) $12\frac{1}{5}$ (b) $4\frac{1}{5}$ (c) $\frac{5}{6}$ (d) $\frac{1}{6}$
- 39 the volume of this solid is Cube units .
 (a) 12 (b) 3 (c) 2 (d) 9
- 40 Triangle has 2 acute angles and 1 obtuse angle .
 (a) right (b) Obtuse (c) right (d) otherwise
- 41 the measure of a right angle is °
 (a) 0° (b) 40° (c) 90° (d) 180°
- 42 $\frac{4}{6} \times \frac{4}{9} \times \frac{3}{16} = \dots\dots\dots$
 (a) $\frac{124}{186}$ (b) $2\frac{2}{16}$ (c) 3 (d) $\frac{1}{18}$
- 43 $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \dots\dots\dots = \frac{1}{4}$
 (a) 4 (b) 2 (c) 3 (d) 1
- 44 $4\frac{4}{8} \times \frac{\dots}{8} = 4\frac{1}{2}$
 (a) 4 (b) 1 (c) 8 (d) 2
- 45 $\frac{8}{7} \times 3 = 4 \times \frac{\dots}{7}$
 (a) 8 (b) 4 (c) 3 (d) 6
- 46 $\frac{16}{9} \times \frac{3}{4} \dots\dots\dots \frac{2}{6} \times \frac{3}{8}$
 (a) < (b) > (c) = (d) otherwise
- 47 $m(\angle G) = 110^\circ$, $m(\angle D) = 35^\circ$, $m(\angle F) = 35^\circ$, then it is antriangle
 (a) right (b) Obtuse (c) acute (d) otherwise
- 48 $1 - \dots\dots\dots = 1$
 (a) $\frac{1}{2}$ (b) $\frac{10}{10}$ (c) $\frac{0}{3}$ (d) 1
- 49 Length x width x height =
 (a) Area (b) Perimeter (c) volume (d) Base area
- 50 $m - \frac{5}{7} = \frac{1}{4}$, then the value of m is
 (a) $\frac{27}{28}$ (b) $\frac{13}{28}$ (c) $\frac{1}{4}$ (d) $\frac{5}{7}$



- 51 $\frac{7}{14} + e = 1$, then the value of e is
 (a) $\frac{8}{14}$ (b) $\frac{1}{2}$ (c) $\frac{5}{14}$ (d) $\frac{5}{7}$
- 52 $\frac{11}{16} - a = \frac{1}{4}$, then the value of a is
 (a) $\frac{8}{16}$ (b) $\frac{7}{16}$ (c) $\frac{10}{12}$ (d) $\frac{6}{6}$
- 53 $\frac{12}{20}$ is equivalent to
 (a) $\frac{8}{10}$ (b) $\frac{3}{5}$ (c) $\frac{10}{12}$ (d) $\frac{6}{5}$
- 54 $4 \frac{1}{12}$ years = years + months
 (a) 4 , 2 (b) 4 , $\frac{1}{12}$ (c) 4 , 1 (d) 4 , 12
- 55 Triangle has 3 acute angles and 0 obtuse angle .
 (a) right (b) Obtuse (c) acute (d) otherwise
- 56 the measure of an obtuse angle may be°
 (a) 0° (b) 40° (c) 90° (d) 110°
- 57 $\frac{3}{4} - \frac{3}{8}$ $\frac{7}{25} \times \frac{5}{21}$
 (a) < (b) > (c) = (d) otherwise
- 58 $2 \frac{2}{6} \times \frac{3}{7} =$
 (a) $\frac{14}{21}$ (b) $3 \frac{1}{2}$ (c) 1 (d) $\frac{14}{6}$
- 59 AB = BC = 6.32 cm , AC is less than them , then it is antriangle .
 (a) scalene (b) Equilateral (c) isosceles (d) otherwise
- 60 the volume of this solid is Cubes.
 (a) 3 (b) 4 (c) 5 (d) 10
- 61 the sum of the measures of angles around at a point is equal°
 (a) 270 (b) 90 (c) 360 (d) 180
- 62 $5 \frac{2}{8} + 3 \frac{6}{8} =$
 (a) 9 (b) $8 \frac{1}{6}$ (c) $8 \frac{4}{6}$ (d) $\frac{4}{6}$
- 63 $6 \frac{1}{5} - 2 \frac{3}{5} =$
 (a) $4 \frac{4}{5}$ (b) $4 \frac{2}{5}$ (c) $3 \frac{3}{5}$ (d) $\frac{31}{5}$



64 $3\frac{1}{8} + 2\frac{3}{8} = \dots\dots\dots$

(a) $5\frac{4}{5}$

(b) $5\frac{1}{2}$

(c) $1\frac{4}{8}$

(d) $1\frac{2}{8}$

65 $9\frac{3}{9} - 3\frac{1}{3} = \dots\dots\dots$

(a) $6\frac{2}{3}$

(b) $6\frac{7}{9}$

(c) $6\frac{1}{9}$

(d) 6

66 $3\frac{2}{3} \times \frac{1}{5} = \frac{1}{5} \times 3 + \frac{1}{5} \times \dots\dots\dots$

(a) $\frac{2}{3}$

(b) $3\frac{2}{3}$

(c) 3

(d) $\frac{8}{3}$

67 45 minutes = Hours

(a) $\frac{1}{2}$

(b) $\frac{1}{4}$

(c) 1

(d) $\frac{3}{4}$

68 base area x height =

(a) Area

(b) Perimeter

(c) volume

(d) Base area

69 Triangle has 3 different sides .

(a) scalene

(b) Equilateral

(c) isosceles

(d) otherwise

70 A is bounded by an arc and two radii .

(a) Height

(b) Pie graph

(c) sector

(d) Bar graph

71 the colored part represent Of the circle .

(a) $\frac{1}{4}$

(b) 0.5

(c) $\frac{3}{4}$

(d) 0.25



72 75 minutes = Hours

(a) $\frac{1}{2}$

(b) $1\frac{1}{4}$

(c) 1

(d) $\frac{3}{4}$

73 Which is equal to $6 \times \frac{3}{9}$?

(a) 2

(b) $3 \times \frac{6}{9}$

(c) $18 \times \frac{1}{9}$

(d) all of them

74 $5 + \frac{3}{5} + \frac{2}{5} = \dots\dots\dots$

(a) $5\frac{2}{5}$

(b) 6

(c) $\frac{18}{4}$

(d) 4

75 $\frac{2}{3} + \frac{7}{12} = 1 + \dots\dots\dots$

(a) $\frac{2}{5}$

(b) $\frac{1}{4}$

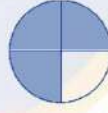
(c) $\frac{1}{3}$

(d) $\frac{1}{5}$



- 76 $\frac{1}{4} + \frac{3}{12} = 1 - \dots\dots\dots$
- (a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) $\frac{1}{5}$
- 77 $3 \frac{3}{4} = \dots\dots\dots \div 4$
- (a) 12 (b) 4 (c) 3 (d) 15
- 78 $\dots\dots\dots = 13 \div 5$
- (a) 2 (b) 5 (c) $2 \frac{3}{5}$ (d) 18
- 79 $\frac{1}{2}$ year = $\dots\dots\dots$ Months
- (a) 5 (b) 6 (c) 2 (d) 1
- 80 $\frac{1}{4} + \frac{3}{16} = \dots\dots\dots$
- (a) $\frac{7}{16}$ (b) 0 (c) 16 (d) $\frac{4}{20}$
- 81 $8 \frac{1}{6} + 3.5 = \dots\dots\dots$
- (a) $11 \frac{2}{3}$ (b) $11 \frac{1}{6}$ (c) $4 \frac{2}{3}$ (d) 5
- 82 volume $\div$ height = $\dots\dots\dots$
- (a) Height (b) Width (c) volume (d) Base area
- 83 $\dots\dots\dots$ Triangle has 2 same sides and 1 different .
- (a) scalene (b) Equilateral (c) isosceles (d) otherwise
- 84 $4 \frac{3}{7} + \dots\dots\dots = 5 \frac{1}{3}$
- (a) $9 \frac{4}{21}$ (b) $1 \frac{16}{21}$ (c) 1 (d) $\frac{19}{21}$
- 85 $m - 7 \frac{2}{12} = 3 \frac{1}{4}$, then the value of m is $\dots\dots\dots$
- (a) $10 \frac{5}{12}$ (b) $3 \frac{11}{12}$ (c) 4 (d) $4 \frac{1}{8}$
- 86 $a + 6 \frac{4}{12} = 9 \frac{3}{4}$, then the value of a is $\dots\dots\dots$
- (a) $3 \frac{5}{12}$ (b) $15 \frac{7}{12}$ (c) 2.5 (d) $16 \frac{1}{12}$
- 87 $\frac{100}{100} \times 5 \frac{5}{12} = \dots\dots\dots$
- (a) $\frac{600}{12}$ (b) $5 \frac{5}{12}$ (c) 600 (d) $\frac{6}{12}$
- 88 volume $\div$ (length x width) = $\dots\dots\dots$
- (a) Height (b) Width (c) volume (d) Base area



- 89 $24 \div 7 = \dots\dots\dots + 3$
 (a) $\frac{3}{3}$ (b) $\frac{1}{8}$ (c) 3 (d) $\frac{3}{7}$
- 90 $25 \div \dots\dots\dots = 6 \frac{1}{4}$
 (a) 6 (b) $\frac{1}{4}$ (c) 4 (d) $\frac{6}{25}$
- 91 The smallest like denominator of $\frac{5}{6}$ and $\frac{1}{3}$ is
- (a) 18 (b) 6 (c) 3 (d) 2
- 92 The simplest form of form of $\frac{6}{12}$ is
- (a) $\frac{1}{2}$ (b) $\frac{2}{3}$ (c) $\frac{5}{6}$ (d) $\frac{12}{6}$
- 93 $3 \frac{2}{5} \times 5 = 5 \times \dots\dots\dots$
 (a) $\frac{5}{2}$ (b) $\frac{2}{5}$ (c) $\frac{17}{5}$ (d) $\frac{15}{5}$
- 94 $\frac{2}{6} \times 3 = \dots\dots\dots$
 (a) $\frac{5}{6}$ (b) 1 (c) 36 (d) $\frac{12}{3}$
- 95 volume $\div$ (length x height) =
- (a) Height (b) Width (c) volume (d) Base area
- 96 the measure of this central angle is°

 (a) 360 (b) 270 (c) 90 (d) 180
- 97 $\frac{2}{5} \times 3 = 6 \times \dots\dots\dots$
 (a) $\frac{2}{5}$ (b) $\frac{1}{5}$ (c) 5 (d) $\frac{6}{5}$
- 98 $\frac{1}{6}$ year = Months
 (a) 5 (b) 6 (c) 2 (d) 1
- 99 the angle whose vertex is the center of the circle is calledangle .
 (a) Central (b) Circular (c) right (d) Straight
- 100 $\frac{2}{8} + \frac{6}{8} = \dots\dots\dots$
 (a) $\frac{4}{6}$ (b) $\frac{2}{3}$ (c) 1 (d) $\frac{6}{8}$
- 101 If the volume of a cuboid = 30 cm^3 and base area = 15 cm^2 , then it's height is Cm
 (a) 5 (b) 2 (c) 15 (d) 150



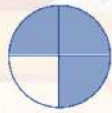
- 102 $4 \div \frac{1}{4} \dots\dots\dots \frac{1}{4} \div 4$
 (a) < (b) > (c) = (d) otherwise
- 103 $\frac{1}{\dots\dots\dots} = \frac{8}{24}$
 (a) 0 (b) 2 (c) 3 (d) 1
- 104 $1 \frac{1}{8} \text{ day} = \dots\dots\dots \text{ hours}$
 (a) 24 (b) 8 (c) 27 (d) 2
- 105 $\dots\dots\dots \div \frac{1}{6} = 24$
 (a) 4 (b) $\frac{1}{4}$ (c) 36 (d) $\frac{6}{24}$
- 106 The LCM of denominators of $\frac{4}{7}$ and $\frac{2}{5}$ is
 (a) 7 (b) 35 (c) 5 (d) $\frac{6}{35}$
- 107 $\frac{1}{4} \div \frac{1}{2} = \dots\dots\dots$
 (a) 4 (b) $\frac{1}{4}$ (c) 8 (d) $\frac{1}{2}$
- 108 $10 \div \frac{1}{5} = \dots\dots\dots$
 (a) 2 (b) $\frac{1}{5}$ (c) 50 (d) $\frac{5}{10}$
- 109 $1 - \frac{3}{5} - \frac{2}{5} = \dots\dots\dots$
 (a) 0 (b) 2 (c) $\frac{5}{5}$ (d) 1
- 110 $\frac{2}{5} = \frac{\dots\dots\dots}{15}$
 (a) 0 (b) 2 (c) 3 (d) 6
- 111 $\frac{1}{\dots\dots\dots} = \frac{12}{24}$
 (a) 0 (b) 2 (c) 3 (d) 1
- 112 $8 \div \frac{1}{4} \dots\dots\dots 4 \div \frac{1}{8}$
 (a) < (b) > (c) = (d) otherwise
- 113 $\frac{1}{5} + \frac{2}{3} = \dots\dots\dots$
 (a) $\frac{13}{15}$ (b) $\frac{3}{8}$ (c) 0 (d) $\frac{1}{2}$



- 114 + $\frac{5}{8} = 1$
 (a) $\frac{4}{8}$ (b) $\frac{3}{8}$ (c) 0 (d) $\frac{1}{2}$
- 115 + $\frac{5}{10} = 1$
 (a) $\frac{1}{2}$ (b) $\frac{5}{10}$ (c) $\frac{4}{8}$ (d) all of them
- 116 $1 - \dots = 0$
 (a) $\frac{1}{2}$ (b) $\frac{10}{10}$ (c) $\frac{2}{3}$ (d) 0
- 117 $3\frac{1}{2}$ hours = hours + minutes
 (a) 3 , 30 (b) 3 , $\frac{1}{2}$ (c) 3 (d) 4 , 2
- 118 $\frac{3}{2} \times \frac{12}{24} = \dots$
 (a) $\frac{4}{3}$ (b) $\frac{3}{4}$ (c) $\frac{1}{4}$ (d) $\frac{1}{3}$
- 119 The figure name is

 (a) Cylinder (b) Kite (c) Cube (d) Cone
- 120 $\frac{2}{11} \times \dots = \frac{3}{11}$
 (a) $\frac{1}{11}$ (b) 1 (c) $\frac{3}{2}$ (d) $\frac{11}{3}$
- 121 $\frac{3}{5} \times 1.5 \times 30 = \dots$
 (a) 27 (b) 6 (c) 15 (d) $\frac{1}{2}$
- 122 $3\frac{2}{3} \times \frac{1}{5} = (\dots \times 3) + (\frac{1}{5} \times \frac{2}{3})$
 (a) $\frac{2}{3}$ (b) $\frac{1}{5}$ (c) 3 (d) 5
- 123 15 minutes = hours
 (a) $\frac{1}{2}$ (b) $\frac{3}{4}$ (c) $\frac{1}{4}$ (d) $\frac{2}{4}$
- 124 minutes = $\frac{1}{2}$ hours .
 (a) 10 (b) 30 (c) 60 (d) 45
- 125 $2 \div 4 = \dots$
 (a) $\frac{4}{2}$ (b) $\frac{2}{4}$ (c) $\frac{1}{4}$ (d) 2
- 126 $40 \div \dots = 4\frac{4}{9}$
 (a) 8 (b) 16 (c) 9 (d) 6



- 127 $18 \div \frac{1}{2} = 18 \times \dots\dots\dots$
 (a) 8 (b) 4 (c) $\frac{1}{2}$ (d) 2
- 128 $\frac{4}{11} \times \dots = \frac{4}{11} + \frac{4}{11} + \frac{4}{11}$
 (a) 4 (b) 11 (c) 3 (d) 2
- 129 $d \div \frac{1}{5} = \frac{1}{2}$, Then d =
 (a) $\frac{2}{5}$ (b) $\frac{5}{2}$ (c) $\frac{1}{2}$ (d) $\frac{1}{10}$
- 130 Any triangle has at least acute angle
 (a) 2 (b) 3 (c) 1 (d) 0
- 131 Volume of  is cube units
 (a) 5 (b) 4 (c) 1 (d) 9
- 132 The measure of anght is 90°
 (a) > (b) < (c) = (d) $\geq$
- 133 The sphere has vertex
 (a) 0 (b) 1 (c) 12 (d) 8
- 134 $\frac{5}{8} \times 0.4 = \dots\dots\dots$
 (a) $\frac{4}{10}$ (b) $\frac{1}{4}$ (c) 8 (d) 4
- 135 $\frac{2}{3}$ year = Months
 (a) 8 (b) 6 (c) 12 (d) 4
- 136 the colored pant represent
 (a) $\frac{1}{4}$ (b) $\frac{3}{4}$ (c) $\frac{1}{3}$ (d) 1 
- 137 The sum of all fractions in one circles
 (a) 1 (b) $\frac{1}{2}$ (c) $\frac{1}{4}$ (d) 360°
- 138 The lcm of denominators of $\frac{4}{5}, \frac{2}{25}$
 (a) 5 (b) 2 (c) 10 (d) 25
- 139 $\frac{1}{4} + \frac{3}{4} = 1 - \dots\dots\dots$
 (a) 0 (b) $\frac{1}{4}$ (c) $\frac{3}{4}$ (d) $\frac{4}{4}$
- 140 120 seconds = Minutes
 (a) 1 (b) 2 (c) 3 (d) 4



141 $\frac{3}{2} \times 2 = \dots\dots\dots$

(a) 4

(b) $\frac{1}{2}$

(c) $\frac{2}{3}$

(d) 3

142 $\frac{8}{9} \times 0.125 = \dots\dots\dots$

(a) $\frac{3}{8}$

(b) $\frac{1}{9}$

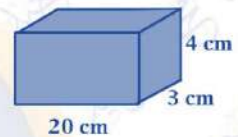
(c) 9

(d) 8

Question 03

Answer the following questions

- 1 find the volume of this solid .



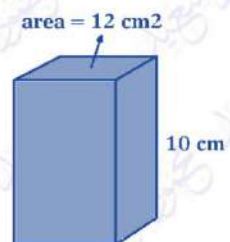
- 2 Mohamed bought a book by $\frac{1}{3}$ of his money and a candy by $\frac{2}{7}$ of his money and saved the left money . What fraction of money does Mohamed save ?

- 3 Yara's garden consists of $\frac{3}{8}$ poppies , $\frac{1}{4}$ roses and flowers in the rest of the garden what fraction of the flowers in the garden ?

- 4 Besan collected $6\frac{2}{7}$ of honey . She gave his sister Sandy $3\frac{3}{4}$ kg of them . How many kilograms are left ?

- 5 Yousef spent $\frac{5}{6}$ of his money for buying candy and $\frac{3}{4}$ for buying clothes . Write their fractions with like denominators .

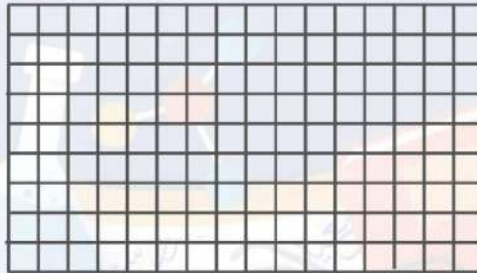
- 6 find the volume of this solid .



- 7 Lena ate $1\frac{3}{4}$ kg of fruits , Yasin ate $\frac{1}{5}$ kg more than Lena and Jana ate $\frac{3}{10}$ kg less than Yasin . How many kilograms did Jana eat ?



- 8 Seif studied MATH for $3\frac{1}{4}$ hours and science for 30 minutes . How many hours did Seif study in all ?
.....
- 9 Esraa notice that $\frac{1}{3}$ of the 9 rose bushes are in bloom . How many rose bushes are in bloom ?
.....
- 10 Maya ate $\frac{1}{4}$ of 24 candies . How many candies are left ?
.....
- 11 write three different multiplication expressions that have the same product as $5 \times \frac{4}{8}$
.....
- 12 Dareen bought $3\frac{1}{8}$ liters of water for $\frac{4}{5}$ for each liter . How much money did Dareen pay ?
.....
- 13 Mohamed bought 3 bags of meat . Each bag has a mass of $2\frac{1}{9}$ kg . If he gave $4\frac{2}{3}$ kg to Rozana . How many kilograms left ?
.....
- 14 **Draw two different rectangles with an area 24 square units .**



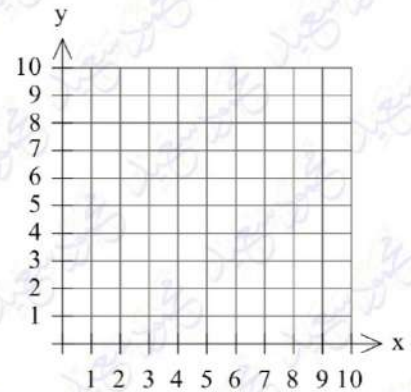
- 15 A rectangular room of $1\frac{1}{4}$ m wide and 4 m long . Find the area .
.....
- 16 Mr Mahmoud Elkholy is reading a chapter book in MATH . He can read $10\frac{2}{3}$ pages in 1 hour . How many pages will he read in 15 minutes ?
.....
- 17 If the price of 16 candies 26 L.E. .find the price of each one .
.....



18 Plot the points on the coordinate plane :

A(2 , 4) B (7 , 4) C(7 , 7) D (2 , 7)

- what is the name of the figure ABCD ? Rectangle
- what is the length of AB ?
- what is the length of BC ?
- CD //
- AB is perpendicular to



19 How many $\frac{1}{6}$ cup in 6 cups of chocolate ?

20 Mr Mahmoud Elkholy wants to give $\frac{1}{5}$ of a box candies to each student he has 9 boxes . To how many students will he be able to give candies ?

21 Find the area of the opposite rectangle .

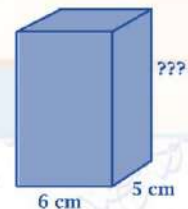


22 Sofian wants to design a cuboid room of volume 12,000,000 cm³ , it's length = 300 cm and it's height = 200 cm, find it's width .

23 A cuboid with a square base it's length 20 cm . 24000 cm³ oil was poured into it . What is the height of the oil ?

24 MR Mahmoud Elkholy walked $1\frac{1}{2}$ km and his student Ebrahim walked $2\frac{3}{5}$ km more . What distance that Ebrahim walked ?

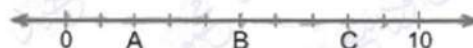
25 if the volume = 300 cm³ , find the height of this solid .



26 Samira studied MATH for $1\frac{1}{2}$ hours and science for 40 minutes . How many minutes did Samira study in all ?

27 Answer with the number line .

- what is the value of A ?
- what is the value of B ?
- what is the value of C ?
- what is the distance between A and C ?



28 The opposite figure shows the fraction of time that Eyad spends in studying subjects . He studied 20 hours .

- what's the decimal of the time that Eyad spends in studying Maths ?

- what's the fraction of the time that Eyad spends in studying Maths ?

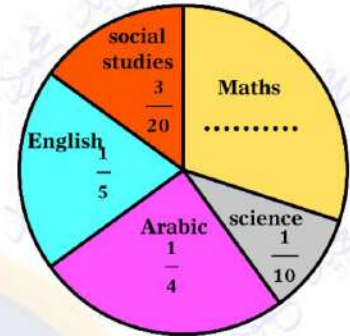
- what's the measure of the central angle of science ?

- what's the measure of the central angle of Arabic ?

- How many hours did he study English ?

- How many hours did he study Arabic ?

- How many hours did he study science ?

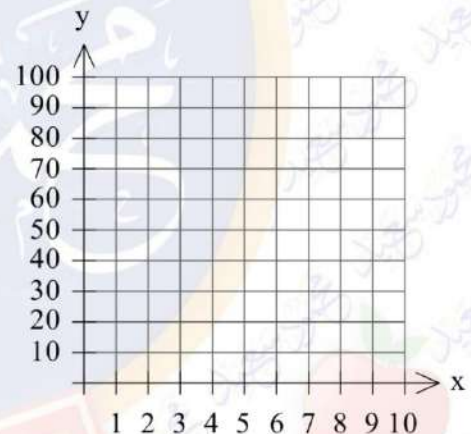


29 Ahmed's car consumes 1 Liter of petrol to cover 5 km , complete the table and graph the points on the grid .

Petrol	Distance
1	5
2	10
4	20
6	30
9	45
10	50

- How many liters are needed to cover 40 km ?

- 12 liters can be consumed to cover Km



30 Represent these data by the opposite pie chart .

Rate	excellent	good	pass	weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$

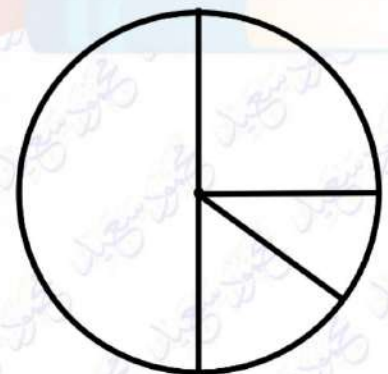
- If the total number of students is 100 students ,

1- find the number of good students .

2- find the number of pass students .

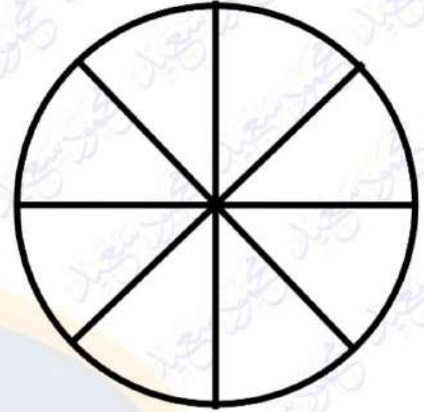
3- find the number of week students .

4- find the number of excellent students .

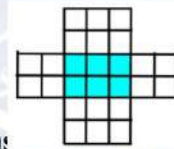


31 In the opposite circle . This represents 80 students .

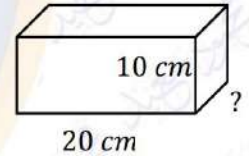
- Shade $\frac{1}{2}$ of the circle green .
- Shade $\frac{1}{8}$ of the circle red .
- Shade $\frac{1}{4}$ of the circle blue .
- Shade $\frac{1}{8}$ of the circle yellow .
- what decimal of the group is blue ?
- what decimal of the group is green ?
- what decimal of the group is red ?
- How many students do the green represent ?
- How many students do the blue represent ?
- How many students do the yellow and red represent ?



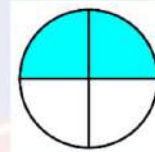
32 Volume = $\times$ $\times$



33 If the volume = 1200 cm^3 , then the missing dimension : cm



34 The measure of this central angle ?

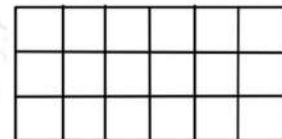


35 Find the value of a

a) $6 \div a = 24$

b) $\frac{1}{7} \div a = \frac{1}{21}$

36 The Area of the opposite figure



37 If the volume of a cuboid = 400 cm^3 , it's length = 10 cm , it's height = 5 cm , then it's width is equal ?



38 In the opposite figure:

If the total number of students of 100 students then

a) The number of students who prefer swimming is

b) The fraction which represents basketball is



39 From the opposite table, complete:

x	a	6	5	4	3	2	1
y	c	b	15	12	9	6	3

a =

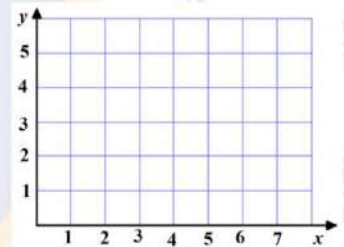
b =

c =

if x = 9, then y =

if y = 30, then x =

40 In the opposite coordinate palne graph the figure ABCD where A (1, 1), B (5, 1), C (5, 4), and D (1, 4)



41 Multiply then put the result in simplest form : $2\frac{1}{4} \times 2\frac{2}{3} = \dots\dots\dots$

42 A mosque has a window that is $\frac{4}{5}$ m wide and $1\frac{1}{4}$ m long. What is the area of window in square meter?

43 Subtract : $2\frac{2}{3} - 1\frac{3}{5} = \dots\dots\dots$

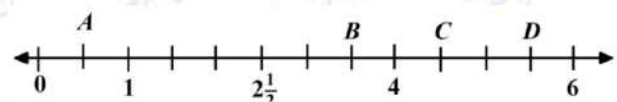
44 The point of intersection of x-axis and y-axis is called

45 Use the number line to answer the following:

a) The value of B is

b) How far is point c from point A?

The value of D is



46

Complete:

a) If triangle was 2, 2, 1 then this is

b) If triangle was 5, 5, 5 then this is

c) If triangle was 70° , 80° , 30° is

.....

47

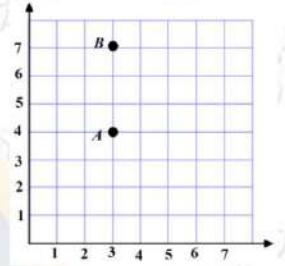
Use the following coordinate grid to complete:

Draw a line connecting the two points,

then place point c to create an isosceles right

triangle with right angle at point A c (..... ,)

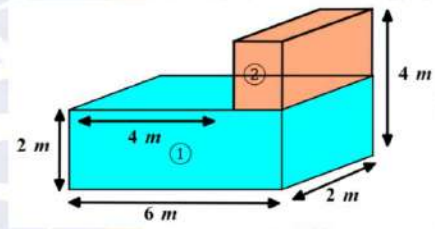
.....



48

Determine the volume of the given compound shape

.....



49

Represent the following data by the opposite pie chart

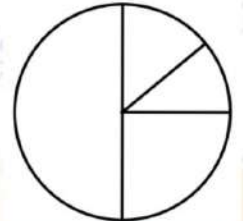
Rate	Excellent	Good	Pass	Weak
Number of students	4	8	2	2

.....

.....

.....

.....



50

Find the volume of rectangle prism with dimensions 3 cm, 2 cm, 2 cm

.....

تم بحمد الله ،

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم





Second term Questions Bank

التميز

Question 01

choose the correct answer

- 1 $\frac{1}{8} \div m = \frac{1}{32}$, then m=
- (a) 4 (b) $\frac{1}{4}$ (c) 32 (d) $\frac{8}{32}$
- 2 Ais a circle divided into sectors .
- (a) Height (b) Pie graph (c) sector (d) Bar graph
- 3 the measure of an acute angle the measure of a right angle
- (a) < (b) > (c) = (d) otherwise
- 4 The opposite triangle is
- (a) right (b) Obtuse (c) acute (d) otherwise
- 5 $3\frac{2}{5} \times 5 = \dots\dots\dots$
- (a) $\frac{17}{5}$ (b) 5 (c) 17 (d) $3\frac{10}{5}$
- 6 It is impossible to draw a triangle with two Angles .
- (a) Acute (b) Obtuse (c) right (d) both b and c
- 7 The measure of an acute angle may be °
- (a) 0° (b) 40° (c) 90° (d) 170°
- 8 $\frac{4}{11} \times \dots\dots\dots = \frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{2}{11}$
- (a) $\frac{14}{11}$ (b) $3\frac{1}{2}$ (c) 4 (d) $\frac{6}{11}$
- 9 $\frac{8}{15} \times b = \frac{8}{15} + \frac{8}{15} + \frac{4}{15}$, then b =
- (a) $\frac{20}{15}$ (b) $3\frac{1}{2}$ (c) 3 (d) 2.5
- 10 $\frac{3}{12} + \frac{3}{8} + \frac{2}{6} = \dots\dots\dots$
- (a) $\frac{23}{24}$ (b) $\frac{1}{6}$ (c) $\frac{8}{12}$ (d) 1



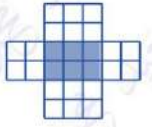
- 11 Volume of  is Cube units .
 (a) 3 (b) 4 (c) 5 (d) 10
- 12 $\frac{4}{9} \times 0.5 = \dots\dots\dots$
 (a) $\frac{8}{9}$ (b) $\frac{20}{9}$ (c) 20 (d) $\frac{2}{9}$
- 13 $\frac{8}{15} \times 0.25 = \dots\dots\dots$
 (a) $\frac{1}{4}$ (b) $\frac{25}{15}$ (c) 24 (d) $\frac{2}{15}$
- 14 It is impossible to draw a triangle with one Angles .
 (a) Acute (b) Obtuse (c) right (d) both b and c
- 15 90 minutes = hours
 (a) $12\frac{1}{2}$ (b) $3\frac{1}{2}$ (c) 30 (d) $1\frac{1}{2}$
- 16 The solid which has 5 vertices and 8 edges is
 (a) Cone (b) Cube (c) cuboid (d) Pyramid
- 17 The measure of an acute angle The measure of an obtuse angle
 (a) < (b) > (c) = (d) otherwise
- 18 $8 \div e = 40$, then e =
 (a) 40 (b) $\frac{9}{40}$ (c) 5 (d) $\frac{1}{5}$
- 19 $\frac{7}{9} - \frac{3}{9} = \dots\dots\dots$
 (a) $\frac{4}{9}$ (b) $\frac{5}{0}$ (c) 1 (d) $\frac{10}{9}$
- 20 $m(\angle A) = 40^\circ$, $m(\angle B) = 70^\circ$, $m(\angle C) = 70^\circ$, then it is atriangle .
 (a) right (b) Obtuse (c) acute (d) otherwise
- 21 $3\frac{2}{6} \times \frac{\dots}{6} = 3\frac{2}{6}$
 (a) $\frac{6}{6}$ (b) $3\frac{2}{6}$ (c) 6 (d) $\frac{1}{3}$
- 22 $\frac{6}{6} \times 2 = \dots\dots\dots$
 (a) $\frac{6}{6}$ (b) $2\frac{1}{6}$ (c) 2 (d) $\frac{5}{2}$
- 23 $\frac{1}{5} \div 7 = \dots\dots\dots$
 (a) 1 (b) $\frac{1}{35}$ (c) 35 (d) $\frac{5}{7}$
- 24 the opposite triangle is
 (a) scalene (b) Equilateral (c)  isosceles (d) Otherwise



- 25 Data can be represented by
 (a) Line plot (b) Pie graph (c) pictograph (d) All of them
- 26 Triangle has 2 acute angles and 1 right angle .
 (a) right (b) Obtuse (c) right (d) otherwise
- 27 the measure of an obtuse angle is 90°
 (a) $<$ (b) $>$ (c) $=$ (d) otherwise
- 28 the number of horizontal layer is
 (a) 3 (b) 4 (c) 5 (d) 10
- 29 cube has Faces .
 (a) 12 (b) 6 (c) 0 (d) 8
- 30 18 months = Year
 (a) $\frac{18}{12}$ (b) $3\frac{1}{6}$ (c) 3 (d) All of them
- 31 the simplest form of $4\frac{2}{10}$ is
 (a) $4\frac{3}{4}$ (b) $4\frac{1}{5}$ (c) $\frac{42}{10}$ (d) $2\frac{3}{4}$
- 32 $\frac{25}{8}$ is equivalent to
 (a) $2\frac{1}{8}$ (b) $3\frac{1}{25}$ (c) $3\frac{1}{8}$ (d) $\frac{8}{25}$
- 33 $3\frac{5}{6}$ is equivalent to
 (a) $2\frac{5}{6}$ (b) $4\frac{1}{25}$ (c) $3\frac{1}{6}$ (d) $\frac{23}{6}$
- 34 $3\frac{2}{6}$ is equivalent to
 (a) $2\frac{8}{6}$ (b) $3\frac{1}{6}$ (c) $2\frac{2}{6}$ (d) $\frac{23}{6}$
- 35 $8\frac{8}{8}$ is equivalent to
 (a) $9\frac{5}{6}$ (b) $8\frac{1}{8}$ (c) 81 (d) 9
- 36 $4\frac{2}{10}$ is equivalent to
 (a) $4\frac{20}{100}$ (b) $4\frac{1}{5}$ (c) $\frac{42}{10}$ (d) All of them
- 37 $m(\angle A) = 90^\circ$, $m(\angle B) = 60^\circ$, $m(\angle C) = 30^\circ$, then it is atriangle .
 (a) right (b) Obtuse (c) acute (d) otherwise



- 38 $8\frac{1}{6} + 3\frac{1}{5} = 9 + 3\frac{1}{5} - \dots\dots\dots$
 (a) $12\frac{1}{5}$ (b) $4\frac{1}{5}$ (c) $\frac{5}{6}$ (d) $\frac{1}{6}$
- 39 the volume of this solid is Cube units .
 (a) 12 (b) 3 (c) 2 (d) 9
- 40 Triangle has 2 acute angles and 1 obtuse angle .
 (a) right (b) Obtuse (c) right (d) otherwise
- 41 the measure of a right angle is °
 (a) 0° (b) 40° (c) 90° (d) 180°
- 42 $\frac{4}{6} \times \frac{4}{9} \times \frac{3}{16} = \dots\dots\dots$
 (a) $\frac{124}{186}$ (b) $2\frac{2}{16}$ (c) 3 (d) $\frac{1}{18}$
- 43 $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \dots\dots\dots = \frac{1}{4}$
 (a) 4 (b) 2 (c) 3 (d) 1
- 44 $4\frac{4}{8} \times \frac{\dots}{8} = 4\frac{1}{2}$
 (a) 4 (b) 1 (c) 8 (d) 2
- 45 $\frac{8}{7} \times 3 = 4 \times \frac{\dots}{7}$
 (a) 8 (b) 4 (c) 3 (d) 6
- 46 $\frac{16}{9} \times \frac{3}{4} \dots\dots\dots \frac{2}{6} \times \frac{3}{8}$
 (a) < (b) > (c) = (d) otherwise
- 47 $m(\angle G) = 110^\circ$, $m(\angle D) = 35^\circ$, $m(\angle F) = 35^\circ$, then it is antriangle
 (a) right (b) Obtuse (c) acute (d) otherwise
- 48 $1 - \dots\dots\dots = 1$
 (a) $\frac{1}{2}$ (b) $\frac{10}{10}$ (c) $\frac{0}{3}$ (d) 1
- 49 Length x width x height =
 (a) Area (b) Perimeter (c) volume (d) Base area
- 50 $m - \frac{5}{7} = \frac{1}{4}$, then the value of m is
 (a) $\frac{27}{28}$ (b) $\frac{13}{28}$ (c) $\frac{1}{4}$ (d) $\frac{5}{7}$



- 51 $\frac{7}{14} + e = 1$, then the value of e is
 (a) $\frac{8}{14}$ (b) $\frac{1}{2}$ (c) $\frac{5}{14}$ (d) $\frac{5}{7}$
- 52 $\frac{11}{16} - a = \frac{1}{4}$, then the value of a is
 (a) $\frac{8}{16}$ (b) $\frac{7}{16}$ (c) $\frac{10}{12}$ (d) $\frac{6}{6}$
- 53 $\frac{12}{20}$ is equivalent to
 (a) $\frac{8}{10}$ (b) $\frac{3}{5}$ (c) $\frac{10}{12}$ (d) $\frac{6}{5}$
- 54 $4 \frac{1}{12}$ years = years + months
 (a) 4 , 2 (b) $4, \frac{1}{12}$ (c) 4 , 1 (d) 4 , 12
- 55 Triangle has 3 acute angles and 0 obtuse angle .
 (a) right (b) Obtuse (c) acute (d) otherwise
- 56 the measure of an obtuse angle may be °
 (a) 0° (b) 40° (c) 90° (d) 110°
- 57 $\frac{3}{4} - \frac{3}{8}$ $\frac{7}{25} \times \frac{5}{21}$
 (a) < (b) > (c) = (d) otherwise
- 58 $2 \frac{2}{6} \times \frac{3}{7} =$
 (a) $\frac{14}{21}$ (b) $3 \frac{1}{2}$ (c) 1 (d) $\frac{14}{6}$
- 59 AB = BC = 6.32 cm , AC is less than them , then it is antriangle .
 (a) scalene (b) Equilateral (c) isosceles (d) otherwise
- 60 the volume of this solid is Cubes.
 (a) 3 (b) 4 (c) 5 (d) 10
- 61 the sum of the measures of angles around at a point is equal °
 (a) 270 (b) 90 (c) 360 (d) 180
- 62 $5 \frac{2}{8} + 3 \frac{6}{8} =$
 (a) 9 (b) $8 \frac{1}{6}$ (c) $8 \frac{4}{6}$ (d) $\frac{4}{6}$
- 63 $6 \frac{1}{5} - 2 \frac{3}{5} =$
 (a) $4 \frac{4}{5}$ (b) $4 \frac{2}{5}$ (c) $3 \frac{3}{5}$ (d) $\frac{31}{5}$



64 $3\frac{1}{8} + 2\frac{3}{8} = \dots\dots\dots$

(a) $5\frac{4}{5}$

(b) $5\frac{1}{2}$

(c) $1\frac{4}{8}$

(d) $1\frac{2}{8}$

65 $9\frac{3}{9} - 3\frac{1}{3} = \dots\dots\dots$

(a) $6\frac{2}{3}$

(b) $6\frac{7}{9}$

(c) $6\frac{1}{9}$

(d) 6

66 $3\frac{2}{3} \times \frac{1}{5} = \frac{1}{5} \times 3 + \frac{1}{5} \times \dots\dots\dots$

(a) $\frac{2}{3}$

(b) $3\frac{2}{3}$

(c) 3

(d) $\frac{8}{3}$

67 45 minutes = Hours

(a) $\frac{1}{2}$

(b) $\frac{1}{4}$

(c) 1

(d) $\frac{3}{4}$

68 base area x height =

(a) Area

(b) Perimeter

(c) volume

(d) Base area

69 Triangle has 3 different sides .

(a) scalene

(b) Equilateral

(c) isosceles

(d) otherwise

70 A is bounded by an arc and two radii .

(a) Height

(b) Pie graph

(c) sector

(d) Bar graph

71 the colored part represent Of the circle .

(a) $\frac{1}{4}$

(b) 0.5

(c) $\frac{3}{4}$

(d) 0.25



72 75 minutes = Hours

(a) $\frac{1}{2}$

(b) $1\frac{1}{4}$

(c) 1

(d) $\frac{3}{4}$

73 Which is equal to $6 \times \frac{3}{9}$?

(a) 2

(b) $3 \times \frac{6}{9}$

(c) $18 \times \frac{1}{9}$

(d) all of them

74 $5 + \frac{3}{5} + \frac{2}{5} = \dots\dots\dots$

(a) $5\frac{2}{5}$

(b) 6

(c) $\frac{18}{4}$

(d) 4

75 $\frac{2}{3} + \frac{7}{12} = 1 + \dots\dots\dots$

(a) $\frac{2}{5}$

(b) $\frac{1}{4}$

(c) $\frac{1}{3}$

(d) $\frac{1}{5}$



- 76 $\frac{1}{4} + \frac{3}{12} = 1 - \dots\dots\dots$
 (a) $\frac{1}{2}$ (b) $\frac{1}{4}$ (c) $\frac{1}{3}$ (d) $\frac{1}{5}$
- 77 $3 \frac{3}{4} = \dots\dots\dots \div 4$
 (a) 12 (b) 4 (c) 3 (d) 15
- 78 $\dots\dots\dots = 13 \div 5$
 (a) 2 (b) 5 (c) $2 \frac{3}{5}$ (d) 18
- 79 $\frac{1}{2}$ year = $\dots\dots\dots$ Months
 (a) 5 (b) 6 (c) 2 (d) 1
- 80 $\frac{1}{4} + \frac{3}{16} = \dots\dots\dots$
 (a) $\frac{7}{16}$ (b) 0 (c) 16 (d) $\frac{4}{20}$
- 81 $8 \frac{1}{6} + 3.5 = \dots\dots\dots$
 (a) $11 \frac{2}{3}$ (b) $11 \frac{1}{6}$ (c) $4 \frac{2}{3}$ (d) 5
- 82 volume $\div$ height = $\dots\dots\dots$
 (a) Height (b) Width (c) volume (d) Base area
- 83 $\dots\dots\dots$ Triangle has 2 same sides and 1 different .
 (a) scalene (b) Equilateral (c) isosceles (d) otherwise
- 84 $4 \frac{3}{7} + \dots\dots\dots = 5 \frac{1}{3}$
 (a) $9 \frac{4}{21}$ (b) $1 \frac{16}{21}$ (c) 1 (d) $\frac{19}{21}$
- 85 $m - 7 \frac{2}{12} = 3 \frac{1}{4}$, then the value of m is $\dots\dots\dots$
 (a) $10 \frac{5}{12}$ (b) $3 \frac{11}{12}$ (c) 4 (d) $4 \frac{1}{8}$
- 86 $a + 6 \frac{4}{12} = 9 \frac{3}{4}$, then the value of a is $\dots\dots\dots$
 (a) $3 \frac{5}{12}$ (b) $15 \frac{7}{12}$ (c) 2.5 (d) $16 \frac{1}{12}$
- 87 $\frac{100}{100} \times 5 \frac{5}{12} = \dots\dots\dots$
 (a) $\frac{600}{12}$ (b) $5 \frac{5}{12}$ (c) 600 (d) $\frac{6}{12}$
- 88 volume $\div$ (length x width) = $\dots\dots\dots$
 (a) Height (b) Width (c) volume (d) Base area



- 89 $24 \div 7 = \dots\dots\dots + 3$
 (a) $\frac{3}{3}$ (b) $\frac{1}{8}$ (c) 3 (d) $\frac{3}{7}$
- 90 $25 \div \dots\dots\dots = 6 \frac{1}{4}$
 (a) 6 (b) $\frac{1}{4}$ (c) 4 (d) $\frac{6}{25}$
- 91 The smallest like denominator of $\frac{5}{6}$ and $\frac{1}{3}$ is
 (a) 18 (b) 6 (c) 3 (d) 2
- 92 The simplest form of form of $\frac{6}{12}$ is
 (a) $\frac{1}{2}$ (b) $\frac{2}{3}$ (c) $\frac{5}{6}$ (d) $\frac{12}{6}$
- 93 $3 \frac{2}{5} \times 5 = 5 \times \dots\dots\dots$
 (a) $\frac{5}{2}$ (b) $\frac{2}{5}$ (c) $\frac{17}{5}$ (d) $\frac{15}{5}$
- 94 $\frac{2}{6} \times 3 = \dots\dots\dots$
 (a) $\frac{5}{6}$ (b) 1 (c) 36 (d) $\frac{12}{3}$
- 95 volume $\div$ (length x height) =
 (a) Height (b) Width (c) volume (d) Base area
- 96 the measure of this central angle is°
 (a) 360 (b) 270 (c) 90 (d) 180
- 97 $\frac{2}{5} \times 3 = 6 \times \dots\dots\dots$
 (a) $\frac{2}{5}$ (b) $\frac{1}{5}$ (c) 5 (d) $\frac{6}{5}$
- 98 $\frac{1}{6}$ year = Months
 (a) 5 (b) 6 (c) 2 (d) 1
- 99 the angle whose vertex is the center of the circle is calledangle .
 (a) Central (b) Circular (c) right (d) Straight
- 100 $\frac{2}{8} + \frac{6}{8} = \dots\dots\dots$
 (a) $\frac{4}{6}$ (b) $\frac{2}{3}$ (c) 1 (d) $\frac{6}{8}$
- 101 If the volume of a cuboid = 30 cm^3 and base area = 15 cm^2 , then it's height is Cm
 (a) 5 (b) 2 (c) 15 (d) 150



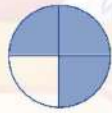
- 102 $4 \div \frac{1}{4} \dots\dots\dots \frac{1}{4} \div 4$
 (a) < (b) > (c) = (d) otherwise
- 103 $\frac{1}{\dots\dots\dots} = \frac{8}{24}$
 (a) 0 (b) 2 (c) 3 (d) 1
- 104 $1 \frac{1}{8} \text{ day} = \dots\dots\dots \text{ hours}$
 (a) 24 (b) 8 (c) 27 (d) 2
- 105 $\dots\dots\dots \div \frac{1}{6} = 24$
 (a) 4 (b) $\frac{1}{4}$ (c) 36 (d) $\frac{6}{24}$
- 106 The LCM of denominators of $\frac{4}{7}$ and $\frac{2}{5}$ is
 (a) 7 (b) 35 (c) 5 (d) $\frac{6}{35}$
- 107 $\frac{1}{4} \div \frac{1}{2} = \dots\dots\dots$
 (a) 4 (b) $\frac{1}{4}$ (c) 8 (d) $\frac{1}{2}$
- 108 $10 \div \frac{1}{5} = \dots\dots\dots$
 (a) 2 (b) $\frac{1}{5}$ (c) 50 (d) $\frac{5}{10}$
- 109 $1 - \frac{3}{5} - \frac{2}{5} = \dots\dots\dots$
 (a) 0 (b) 2 (c) $\frac{5}{5}$ (d) 1
- 110 $\frac{2}{5} = \frac{\dots\dots\dots}{15}$
 (a) 0 (b) 2 (c) 3 (d) 6
- 111 $\frac{1}{\dots\dots\dots} = \frac{12}{24}$
 (a) 0 (b) 2 (c) 3 (d) 1
- 112 $8 \div \frac{1}{4} \dots\dots\dots 4 \div \frac{1}{8}$
 (a) < (b) > (c) = (d) otherwise
- 113 $\frac{1}{5} + \frac{2}{3} = \dots\dots\dots$
 (a) $\frac{13}{15}$ (b) $\frac{3}{8}$ (c) 0 (d) $\frac{1}{2}$



- 114 + $\frac{5}{8} = 1$
 (a) $\frac{4}{8}$ (b) $\frac{3}{8}$ (c) 0 (d) $\frac{1}{2}$
- 115 + $\frac{5}{10} = 1$
 (a) $\frac{1}{2}$ (b) $\frac{5}{10}$ (c) $\frac{4}{8}$ (d) all of them
- 116 $1 - \dots = 0$
 (a) $\frac{1}{2}$ (b) $\frac{10}{10}$ (c) $\frac{2}{3}$ (d) 0
- 117 $3\frac{1}{2}$ hours = hours + minutes
 (a) 3 , 30 (b) $3 , \frac{1}{2}$ (c) 3 (d) 4 , 2
- 118 $\frac{3}{2} \times \frac{12}{24} = \dots$
 (a) $\frac{4}{3}$ (b) $\frac{3}{4}$ (c) $\frac{1}{4}$ (d) $\frac{1}{3}$
- 119 The figure name is

 (a) Cylinder (b) Kite (c) Cube (d) Cone
- 120 $\frac{2}{11} \times \dots = \frac{3}{11}$
 (a) $\frac{1}{11}$ (b) 1 (c) $\frac{3}{2}$ (d) $\frac{11}{3}$
- 121 $\frac{3}{5} \times 1.5 \times 30 = \dots$
 (a) 27 (b) 6 (c) 15 (d) $\frac{1}{2}$
- 122 $3\frac{2}{3} \times \frac{1}{5} = (\dots \times 3) + (\frac{1}{5} \times \frac{2}{3})$
 (a) $\frac{2}{3}$ (b) $\frac{1}{5}$ (c) 3 (d) 5
- 123 15 minutes = hours
 (a) $\frac{1}{2}$ (b) $\frac{3}{4}$ (c) $\frac{1}{4}$ (d) $\frac{2}{4}$
- 124 minutes = $\frac{1}{2}$ hours .
 (a) 10 (b) 30 (c) 60 (d) 45
- 125 $2 \div 4 = \dots$
 (a) $\frac{4}{2}$ (b) $\frac{2}{4}$ (c) $\frac{1}{4}$ (d) 2
- 126 $40 \div \dots = 4\frac{4}{9}$
 (a) 8 (b) 16 (c) 9 (d) 6



- 127 $18 \div \frac{1}{2} = 18 \times \dots\dots\dots$
 (a) 8 (b) 4 (c) $\frac{1}{2}$ (d) 2
- 128 $\frac{4}{11} \times \dots = \frac{4}{11} + \frac{4}{11} + \frac{4}{11}$
 (a) 4 (b) 11 (c) 3 (d) 2
- 129 $d \div \frac{1}{5} = \frac{1}{2}$, Then d =
 (a) $\frac{2}{5}$ (b) $\frac{5}{2}$ (c) $\frac{1}{2}$ (d) $\frac{1}{10}$
- 130 Any triangle has at least acute angle
 (a) 2 (b) 3 (c) 1 (d) 0
- 131 Volume of  is cube units
 (a) 5 (b) 4 (c) 1 (d) 9
- 132 The measure of anght is 90°
 (a) > (b) < (c) = (d) $\geq$
- 133 The sphere has vertex
 (a) 0 (b) 1 (c) 12 (d) 8
- 134 $\frac{5}{8} \times 0.4 = \dots\dots\dots$
 (a) $\frac{4}{10}$ (b) $\frac{1}{4}$ (c) 8 (d) 4
- 135 $\frac{2}{3}$ year = Months
 (a) 8 (b) 6 (c) 12 (d) 4
- 136 the colored pant represent
 (a) $\frac{1}{4}$ (b) $\frac{3}{4}$ (c) $\frac{1}{3}$ (d) 1 
- 137 The sum of all fractions in one circles
 (a) 1 (b) $\frac{1}{2}$ (c) $\frac{1}{4}$ (d) 360°
- 138 The lcm of denominators of $\frac{4}{5}, \frac{2}{25}$
 (a) 5 (b) 2 (c) 10 (d) 25
- 139 $\frac{1}{4} + \frac{3}{4} = 1 - \dots\dots\dots$
 (a) 0 (b) $\frac{1}{4}$ (c) $\frac{3}{4}$ (d) $\frac{4}{4}$
- 140 120 seconds = Minutes
 (a) 1 (b) 2 (c) 3 (d) 4



141 $\frac{3}{2} \times 2 = \dots\dots\dots$

(a) 4

(b) $\frac{1}{2}$

(c) $\frac{2}{3}$

(d) 3

142 $\frac{8}{9} \times 0.125 = \dots\dots\dots$

(a) $\frac{3}{8}$

(b) $\frac{1}{9}$

(c) 9

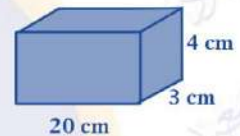
(d) 8

Question 03

Answer the following questions

- 1 find the volume of this solid .

$V = L \times W \times H$,,, $V = 20 \times 3 \times 4 = 240 \text{ cm}^3$



- 2 Mohamed bought a book by $\frac{1}{3}$ of his money and a candy by $\frac{2}{7}$ of his money and saved the left money . What fraction of money does Mohamed save ?

$\frac{1}{3} + \frac{2}{7} = \frac{13}{21}$ ---- $1 - \frac{13}{21} = \frac{8}{21}$ of his money

- 3 Yara's garden consists of $\frac{3}{8}$ poppies , $\frac{1}{4}$ roses and flowers in the rest of the garden what fraction of the flowers in the garden ?

$\frac{3}{8} + \frac{1}{4} = \frac{5}{8}$ --- $1 - \frac{5}{8} = \frac{3}{8}$

- 4 Besan collected $6\frac{2}{7}$ of honey . She gave his sister Sandy $3\frac{3}{4}$ kg of them . How many kilograms are left ?

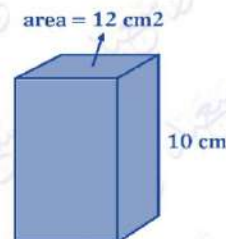
$6\frac{2}{7} - 3\frac{3}{4} = 2\frac{15}{28}$

- 5 Yousef spent $\frac{5}{6}$ of his money for buying candy and $\frac{3}{4}$ for buying clothes . Write their fractions with like denominators .

$\frac{10}{12}$, $\frac{9}{12}$

- 6 find the volume of this solid .

$V = B.A \times H$,,,, $V = 12 \times 10 = 120 \text{ cm}^3$



- 7 Lena ate $1\frac{3}{4}$ kg of fruits , Yasin ate $\frac{1}{5}$ kg more than Lena and Jana ate $\frac{3}{10}$ kg less than Yasin . How many kilograms did Jana eat ?

$$\text{Yasin} = 1\frac{3}{4} + \frac{1}{5} = 1\frac{19}{20} \text{ kg}$$

$$\text{Jana} = 1\frac{19}{20} - \frac{3}{10} = 1\frac{13}{20} \text{ kg}$$

- 8 Seif studied MATH for $3\frac{1}{4}$ hours and science for 30 minutes . How many hours did Seif study in all ?

$$3\frac{1}{4} + \frac{1}{2} = 3\frac{3}{4} \text{ hours}$$

- 9 Esraa notice that $\frac{1}{3}$ of the 9 rose bushes are in bloom . How many rose bushes are in bloom ?

$$\frac{1}{3} \times 9 = 3 \text{ rose bushes}$$

- 10 Maya ate $\frac{1}{4}$ of 24 candies . How many candies are left ?

$$\frac{3}{4} \times 24 = 18 \text{ candies}$$

- 11 write three different multiplication expressions that have the same product as $5 \times \frac{4}{8}$

$$4 \times \frac{5}{8}, \frac{4}{8} \times 5, 20 \times \frac{1}{8}$$

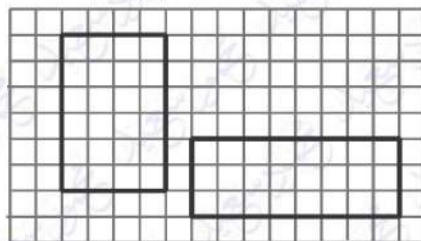
- 12 Dareen bought $3\frac{1}{8}$ liters of water for $\frac{4}{5}$ for each liter . How much money did Dareen pay ?

$$\frac{4}{5} \times 3\frac{1}{8} = 2.5 \text{ LE}$$

- 13 Mohamed bought 3 bags of meat . Each bag has a mass of $2\frac{1}{9}$ kg . If he gave $4\frac{2}{3}$ kg to Rozana . How many kilograms left ?

$$3 \times 2\frac{1}{9} = 6\frac{1}{3} \text{ kg} \quad \rightarrow \quad 6\frac{1}{3} - 4\frac{2}{3} = 1\frac{2}{3} \text{ kg}$$

- 14 Draw two different rectangles with an area 24 square units .



- 15 A rectangular room of $1\frac{1}{4}$ m wide and 4 m long . Find the area .

$$4 \times 1\frac{1}{4} = 5 \text{ square meter}$$



- 16 Mr Mahmoud Elkholy is reading a chapter book in MATH . He can read $10\frac{2}{3}$ pages in 1 hour . How many pages will he read in 15 minutes ?

$$15 \text{ min} = \frac{1}{4} \text{ hours} \rightarrow 10\frac{2}{3} \times \frac{1}{4} = 2\frac{2}{3} \text{ pages}$$

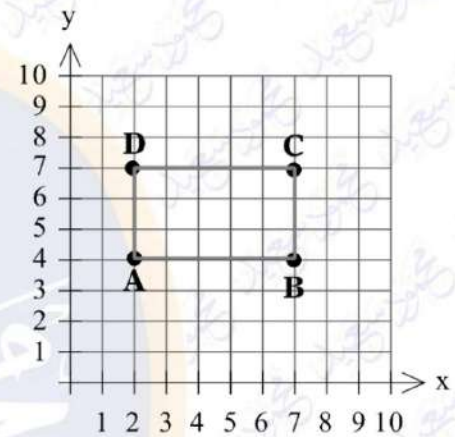
- 17 If the price of 16 candies 26 L.E. .find the price of each one .

$$26 \div 16 = 1\frac{5}{8} \text{ LE}$$

Plot the points on the coordinate plane :

- 18 A(2 , 4) B (7 , 4) C(7 , 7) D (2 , 7)

- what is the name of the figure ABCD ? Rectangle
- what is the length of AB ? 5
- what is the length of BC ? 3
- CD //BA.....
- AB is perpendicular toBC.....



- 19 How many $\frac{1}{6}$ cup in 6 cups of chocolate ?

$$6 \div \frac{1}{6} = 36 \text{ cups}$$

- 20 Mr Mahmoud Elkholy wants to give $\frac{1}{5}$ of a box candies to each student he has 9 boxes . To how many students will he be able to give candies ?

$$9 \div \frac{1}{5} = 45 \text{ students}$$

- 21 **Find the area of the opposite rectangle .**

$$8 \times 3\frac{1}{2} = 28 \text{ square cm}$$



- 22 Sofian wants to design a cuboid room of volume $12,000,000 \text{ cm}^3$, it's length = 300 cm and it's height = 200 cm, find it's width .

$$W = V \div (L \times H) \quad , , , \quad W = 12,000,000 \div (300 \times 200) = 200 \text{ cm}$$

- 23 A cuboid with a square base it's length 20 cm . 24000 cm^3 oil was poured into it . What is the height of the oil ?

$$H = V \div (L \times W) \quad , , , \quad H = 24000 \div (20 \times 20) = 60 \text{ cm}$$



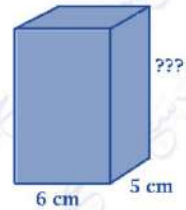
- 24 MR Mahmoud Elkholy walked $1\frac{1}{2}$ km and his student Ebrahim walked $2\frac{3}{5}$ km more .

What distance that Ebrahim walked ?

$$1\frac{1}{2} + 2\frac{3}{5} = 4\frac{1}{10} \text{ km}$$

- 25 if the volume = 300 cm^3 , find the height of this solid .

$$H = V \div (L \times W) \quad , , , \quad H = 300 \div (6 \times 5) = 10 \text{ cm}$$



- 26 Samira studied MATH for $1\frac{1}{2}$ hours and science for 40 minutes . How many minutes did Samira study in all ?

$$1\frac{1}{2} \times 60 = 90 \text{ min} \quad \backslash \backslash \quad 90 + 40 = 130 \text{ min}$$

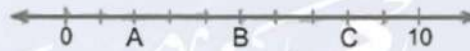
- 27 Answer with the number line .

- what is the value of A ? 2

- what is the value of B ? 5

- what is the value of C ? 8

- what is the distance between A and C ? 6



- 28 The opposite figure shows the fraction of time that Eyad spends in studying subjects . He studied 20 hours .

- what's the decimal of the time that Eyad spends in studying

Maths ? 0.3

- what's the fraction of the time that Eyad spends in studying

Maths ? $\frac{3}{10}$

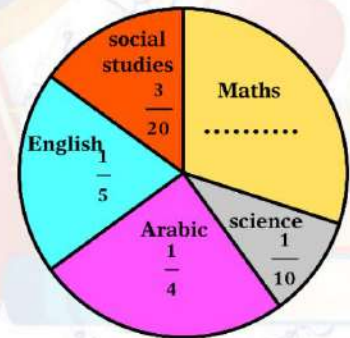
- what's the measure of the central angle of science ? 36°

- what's the measure of the central angle of Arabic ? 90°

- How many hours did he study English ? 4 HOURS

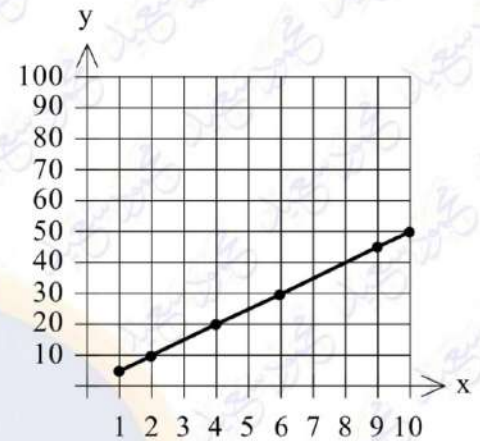
- How many hours did he study Arabic ? 5 HOURS

- How many hours did he study science ? 2 HOURS



- 29 Ahmed's car consumes 1 Liter of petrol to cover 5 km , complete the table and graph the points on the grid .

Petrol	Distance
1	5
2	10
4	20
6	30
9	45
10	50



- How many liters are needed to cover 40 km ? 8 L
- 12 liters can be consumed to cover60..... Km

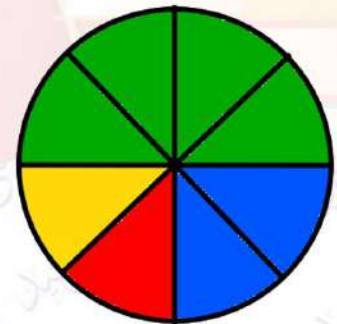
- 30 Represent these data by the opposite pie chart .

Rate	excellent	good	pass	weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$



- If the total number of students is 100 students ,
- 1- find the number of good students . 50 students
- 2- find the number of pass students . 25 students
- 3- find the number of week students . 10 students
- 4- find the number of excellent students . 15 students

- 31 In the opposite circle . This represents 80 students .

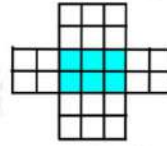


- Shade $\frac{1}{2}$ of the circle green .
- Shade $\frac{1}{8}$ of the circle red .
- Shade $\frac{1}{4}$ of the circle blue .
- Shade $\frac{1}{8}$ of the circle yellow .
- what decimal of the group is blue ? 0.25
- what decimal of the group is green ? 0.5
- what decimal of the group is red ? 0.125
- How many students do the green represent ? $\frac{1}{2} \times 80 = 40$ students
- How many students do the blue represent ? $\frac{1}{4} \times 80 = 20$ students
- How many students do the yellow and red represent ? $\frac{1}{4} \times 80 = 20$ students



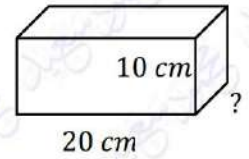
32 Volume = $\times$ $\times$

$3 \times 2 \times 2$



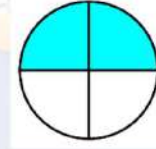
33 If the volume = 1200 cm^3 , then the missing dimension is cm

$\frac{1200}{20 \times 10} = \frac{1200}{200} = 6 \text{ cm}$



34 The measure of this central angle ?

180°



35 Find the value of a

a) $6 \div a = 24$

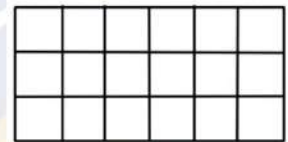
b) $\frac{1}{7} \div a = \frac{1}{21}$

a) $\frac{1}{4}$

b) 3

36 The Area of the opposite figure

$3 \times 6 = 18 \text{ square units}$



37 If the volume of a cuboid = 400 cm^3 , it's length = 10 cm, it's height = 5 cm, then it's width is equal ?

Width = $\frac{400}{5 \times 10} = \frac{400}{50} = 8 \text{ cm}$

38 In the opposite figure:

If the total number of students of 100 students then

a) The number of students who prefer swimming is

b) The fraction which represents basketball is

a) $\frac{1}{4} \times 100 = 25$

b) $\frac{1}{8}$



39 From the opposite table, complete:

x	a	6	5	4	3	2	1
y	c	b	15	12	9	6	3

a =

b =

c =

if x = 9, then y =

if y = 30, then x =

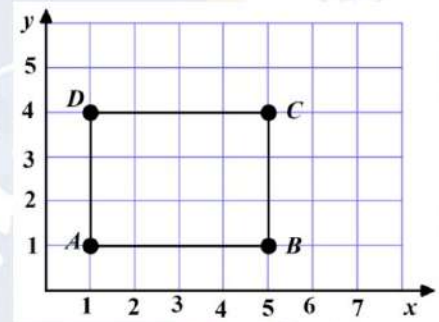
A = 7 b = 18 c = 21

y = 27

x = 10

40 In the opposite coordinate palne graph the figure ABCD where A (1, 1), B (5, 1), C (5, 4), and D (1, 4)

Rectangle



41 Multiply then put the result in simplest form : $2\frac{1}{4} \times 2\frac{2}{3} = \dots\dots\dots$

$$= \frac{9}{4} \times \frac{8}{3}$$

$$= \frac{72}{12} = 6$$

42 A mosque has a window that is $\frac{4}{5}$ m wide and $1\frac{1}{4}$ m long. What is the area of window in square meter?

$$A = 1\frac{1}{4} \times \frac{4}{5}$$

$$= \frac{5}{4} \times \frac{4}{5} = 1 m^2$$

43 Subtract : $2\frac{2}{3} - 1\frac{3}{5} = \dots\dots\dots$

$$= 2\frac{10}{15} - 1\frac{9}{15}$$

$$= 1\frac{1}{15}$$



- 44 The point of intersection of x-axis and y-axis is called

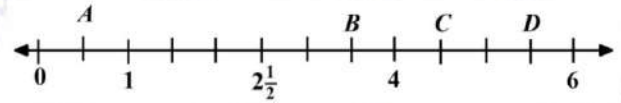
Origin point (0, 0)

- 45 Use the number line to answer the following:

a) The value of B is

b) How far is point c from point A?

The value of D is



a) $3\frac{1}{2}$

b) 4

c) $5\frac{1}{2}$

- 46 Complete:

a) If triangle was 2, 2, 1 then this is

b) If triangle was 5, 5, 5 then this is

c) If triangle was 70° , 80° , 30° is

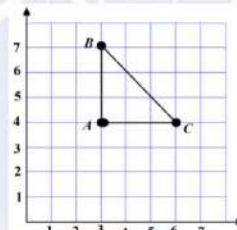
a) Isosceles triangle

b) Equilateral triangle

c) acute triangle

- 47 Use the following coordinate grid to complete:

Draw a line connecting the two points, then place point c to create an isosceles right triangle with right angle at point A c (..... ,)



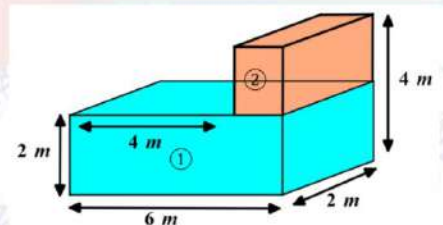
C (6, 4)

- 48 Determine the volume of the given compound shape

$$V_2 = 2 \times 2 \times 2 = 8 \text{ m}^3$$

$$V_1 = 2 \times 6 \times 2 = 24 \text{ m}^3$$

$$V = V_1 + V_2 = 8 + 24 = 32 \text{ m}^3$$



49 Represent the following data by the opposite pie chart

Rate	Excellent	Good	Pass	Weak
Number of students	4	8	2	2

$$\text{Total} = 4 + 8 + 2 + 2 = 16$$

$$\text{Excellent} = \frac{4}{16} = \frac{1}{4}$$

$$\text{Good} = \frac{8}{16} = \frac{1}{2}$$

$$\text{Pass} = \frac{2}{16} = \frac{1}{8}$$

$$\text{Weak} = \frac{2}{16} = \frac{1}{8}$$



50 Find the volume of rectangle prism with dimensions 3 cm, 2 cm, 2 cm

$$V = 3 \times 2 \times 2 = 12 \text{ cm}^3$$

محمود سعيد

تم بحمد الله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم



كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجانا وحصريا

المراجعة رقم (2)

الترم الثاني



Q1: Choose the correct answer :-

1 $\frac{5}{6} - \frac{3}{5} = \text{-----}$

(a) $\frac{8}{30}$

(b) $\frac{9}{20}$

(c) $\frac{7}{30}$

(d) $\frac{3}{4}$

2 $\frac{1}{4} + \frac{1}{3} = \text{-----}$

(a) $\frac{2}{7}$

(b) $\frac{2}{12}$

(c) $\frac{7}{7}$

(d) $\frac{7}{12}$

3 Equivalent fraction of $\frac{2}{8}$ is -----

(a) $\frac{4}{8}$

(b) $\frac{2}{4}$

(c) $\frac{1}{4}$

(d) $\frac{4}{10}$

4 The smallest like denominator of $\frac{1}{3}$ and $\frac{5}{8}$ is -----

(a) 3

(b) 8

(c) 24

(d) 48

5 $1 - \frac{1}{3} - \frac{1}{5} = \text{-----}$

(a) $\frac{7}{20}$

(b) $\frac{7}{15}$

(c) $\frac{12}{17}$

(d) $\frac{5}{8}$

6  + ----- = -----

(a) $\frac{1}{3} + \frac{1}{3}$

(b) $\frac{1}{2} + \frac{1}{2}$

(c) $\frac{1}{2} + \frac{1}{3}$

(d) $3 + 2$

7 $\frac{3}{7} - \text{-----} = \frac{1}{7}$

(a) $\frac{4}{7}$

(b) $\frac{2}{7}$

(c) $\frac{1}{7}$

(d) 1

8 $\frac{2}{4}$ is equivalent to -----

(a) $\frac{5}{8} - \frac{1}{4}$

(b) $\frac{7}{8} - \frac{1}{4}$

(c) $\frac{5}{6} - \frac{1}{3}$

(d) $1 - \frac{5}{8}$

9 $1 - \text{-----} = \frac{5}{8}$

(a) $\frac{5}{8}$

(b) $\frac{3}{8}$

(c) $\frac{6}{8}$

(d) $\frac{8}{7}$

Q2: Answer the following :-

- 1 Write the following fractions with like denominators: $\frac{2}{3}$ and $\frac{3}{8}$

.....

.....

- 2 Ahmed bought $\frac{5}{7}$ kilogram of grapes. He used $\frac{2}{3}$ kilogram of grapes to make a juice. How much kilogram are left ?

.....

.....

- 3 Evaluate each expression by rewriting the fractions with like denominator.

a $\frac{2}{3} + \frac{5}{7}$

.....

b $1 - \frac{1}{4} - \frac{2}{3}$

.....

- 4 Find the value of k

a $\frac{3}{4} = \frac{k}{20}$

.....

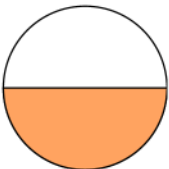
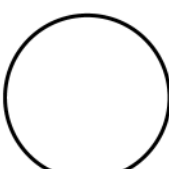
b $k + \frac{1}{3} = \frac{5}{6}$

.....

- 5 karim walked $\frac{1}{5}$ km and Sameh walked $\frac{1}{3}$ km more .
What distance that Sameh walked ?

.....

.....

6  +  = 

..... + =

- 7 Write each fraction in the simplest form

a $\frac{45}{60}$

.....

.....

b $2\frac{8}{24}$

.....

.....

(خالص الأمنيات وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

30

1 $k + 5\frac{2}{7} = 6\frac{5}{7}$, then k = -----

- (a) $11\frac{7}{7}$ (b) $1\frac{3}{7}$ (c) $4\frac{3}{7}$ (d) $5\frac{1}{7}$

2 $2\frac{1}{4}$ years = ----- months

- (a) 27 (b) 54 (c) 135 (d) 180

3 Two fractions $3\frac{2}{3}$ and $5\frac{1}{6}$ with Like denominators are -----

- (a) $3\frac{2}{3}$ and $5\frac{1}{6}$ (b) $\frac{2}{3}$ and $\frac{1}{6}$ (c) $3\frac{4}{6}$ and $5\frac{1}{6}$ (d) $3\frac{2}{3}$ and $5\frac{2}{6}$

4 $2\frac{3}{5} + \text{-----} = 3\frac{1}{4}$

- (a) $1\frac{1}{4}$ (b) $1\frac{4}{5}$ (c) $\frac{13}{20}$ (d) $1\frac{2}{5}$

5 $2\frac{1}{3}$ hours = ----- minutes

- (a) 150 (b) 120 (c) 130 (d) 140

6 $\frac{17}{3}$ is equivalent to -----

- (a) $3\frac{1}{6}$ (b) $7\frac{1}{2}$ (c) $3\frac{2}{5}$ (d) $5\frac{2}{3}$

7 $1\frac{5}{8} + 2\frac{7}{12} + \frac{1}{4} = \text{-----}$

- (a) $3\frac{7}{12}$ (b) $4\frac{5}{6}$ (c) $4\frac{7}{12}$ (d) $4\frac{11}{24}$

8 $2\frac{4}{5} + 1\frac{3}{10} - 1\frac{1}{2} = \text{-----}$

- (a) $3\frac{2}{5}$ (b) $2\frac{6}{10}$ (c) $\frac{6}{5}$ (d) $4\frac{11}{24}$

9 $5\frac{1}{4} - \text{-----} = 3\frac{1}{2}$

- (a) $1\frac{3}{4}$ (b) $4\frac{3}{4}$ (c) $\frac{3}{4}$ (d) $8\frac{3}{4}$

Q2: Answer the following :-

- 1 Marwan studied Math for $2\frac{1}{2}$ hours and Science for 90 minutes.
How many hours did Marwan study in all ?

.....

.....

- 2 Sameh ate $1\frac{3}{4}$ kg of fruits, Bassem ate $\frac{1}{5}$ kg more than Sameh and Wael ate $\frac{1}{2}$ kg less than Sameh.
How many kg of fruits did the three friends eat together ?

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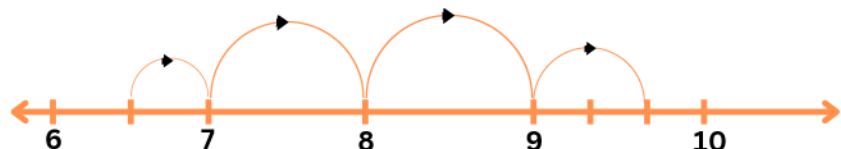
.....

- 3 $2\frac{3}{5} + 1\frac{1}{2} = \text{-----}$

+

- 4 Use a number line to find the difference.

$$9\frac{2}{3} - 6\frac{1}{2} = \text{-----}$$



- 5 Gina walked $1\frac{1}{2}$ km and Amany walked $2\frac{2}{5}$ km more.
How many km did Amany walk ?

.....

.....

- 6 Samira has $2\frac{2}{5}$ kg of flour . She used $1\frac{1}{5}$ kg to make sugar cake . Find the remainder amount of flour ?

.....

.....

- 7 Farida bought $2\frac{1}{2}$ kg of tomato, $1\frac{3}{8}$ kg of onion and $5\frac{1}{4}$ kg of potatoes. How much vegetables did she buy?

.....

.....

.....

(خالص الأمنيات وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

30

1 $\frac{1}{3}$ of 12 = -----

(a) 4

(b) 3

(c) 12

(d) 8

2 $5 \times \frac{3}{7}$  $4 \frac{3}{7}$

(a) <

(b) =

(c) >

(d) otherwise

3 How many fifths are there in 7 ?

(a) $5 \div 7$

(b) 5×7

(c) $5 + 7$

(d) $7 - 5$

4 $0.25 \times \frac{6}{7} =$ -----

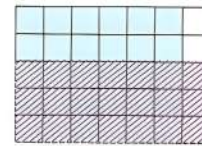
(a) $\frac{1}{14}$

(b) $\frac{1}{7}$

(c) $\frac{3}{14}$

(d) $\frac{2}{7}$

5 The opposite model represents -----



(a) $\frac{2}{5} \times \frac{7}{6}$

(b) $\frac{2}{7} \times \frac{5}{6}$

(c) $\frac{2}{5} \times \frac{3}{7}$

(d) $\frac{3}{5} \times \frac{6}{7}$

6 $7 \div \frac{1}{4} =$ -----

(a) 28

(b) $\frac{1}{28}$

(c) $\frac{4}{7}$

(d) $\frac{7}{4}$

7 If $\frac{1}{3} \div a = \frac{1}{12}$, then a = -----

(a) 4

(b) $\frac{1}{4}$

(c) $\frac{4}{3}$

(d) 36

8 If $8 \div a = 40$, then a = -----

(a) 5

(b) 40

(c) $\frac{1}{5}$

(d) $\frac{9}{40}$

9 $\frac{5}{3} \times 21 \times \frac{2}{7} =$ -----

(a) $\frac{24}{35}$

(b) 1

(c) $\frac{21}{21}$

(d) 10

Q2: Answer the following :-

- 1 Moustafa is harvesting sugarcane. He can harvest $3\frac{3}{4}$ kg of sugarcane in 1 hour. If he plans to work for $2\frac{1}{2}$ hours. How much sugarcane will he harvest ?

.....

.....

- 2 How many thirds are there in the number 8 ?

.....

- 3 Aya reads from her favorite book $\frac{3}{4}$ hr daily, then if she reads the book within 6 days. How many hours will she take to read the book ?

.....

.....

- 4 A teacher wants to give $\frac{1}{8}$ of a box pencils to each student. He has 5 boxes of pencils.

To how many students will he be able to give pencils ?

.....

.....

- 5 Sara ate $\frac{1}{8}$ of 24 candies . How many candies are left ?

.....

.....

6 If the price of 16 pens is 26 LE . Find the price of each one ?

.....

.....

7 A supermarket employee is a shelf stacker. His time for stacking a shelf is $\frac{1}{3}$ hour for a shelf. If he is at work for 8 hours. How many shelves will he be able to fill ?

.....

.....

(خالص الأمنيات وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

- 1 The triangle whose side lengths are ----- is an isosceles triangle.
(a) 7cm ,7cm ,7cm (b) 5cm,7cm,5cm (c) 4cm ,5cm ,3cm (d) 8cm ,6cm ,9cm
- 2 The X-coordinate in ordered pair (3 ,4) is -----
(a) 3 (b) 4 (c) 7 (d) 1
- 3 The polygon which has only one pair of parallel sides is called ----
(a) trapezium (b) parallelogram (c) rhombus (d) square
- 4 The area of rectangle of length $\frac{2}{3}$ cm and width $\frac{2}{5}$ cm is -----
(a) $\frac{3}{20}$ (b) $\frac{4}{20}$ (c) $\frac{4}{9}$ (d) $\frac{4}{15}$
- 5 The measure of any angle of the square -----
(a) 60 (b) 90 (c) 100 (d) 180
- 6 If the area of rectangle is 2 square meters and one of its dimensions is $\frac{1}{2}$ m, then the other dimension is -----
(a) 1 m (b) 2 m (c) $2\frac{1}{2}$ m (d) 4 m
- 7 The hexagon has ----- sides.
(a) 4 (b) 5 (c) 6 (d) 7
- 8 The y-coordinate in the ordered pair (5 , 3) is -----
(a) 3 (b) 5 (c) 2 (d) 8
- 9 Which of the following points located on x-axis ?
(a) (4 , 0) (b) (0 , 4) (c) (4 , 5) (d) (5 , 4)

Q2: Answer the following :-

- 1** Ahmed owns a parking lot. The lot is 4 kilometers Long and $3\frac{1}{2}$ km wide. What is the area of the parking lot?

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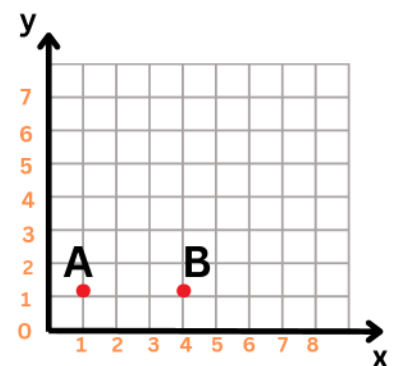
- 2** Ahmed is making a design using a quadrilateral of 4 right angles. Write its name and draw it .

.....

.....

- 3** Plot the following points on the coordinate plan.

- a** C (1 , 4) D (4 , 4)
- b** Write the ordered pair which represent
A (-----, -----) B (-----, -----)

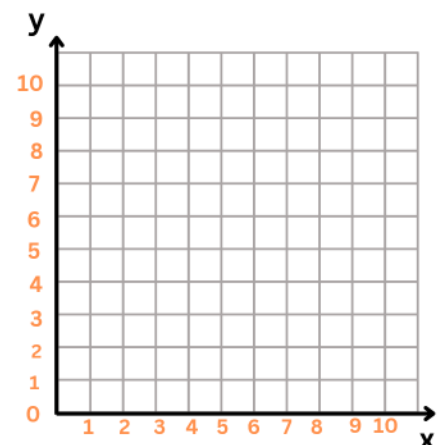


- 4** **a** Graph the figure ABCD where

A (2 , 2) B (2 , 5)
C (6 , 5) D (6 , 2)

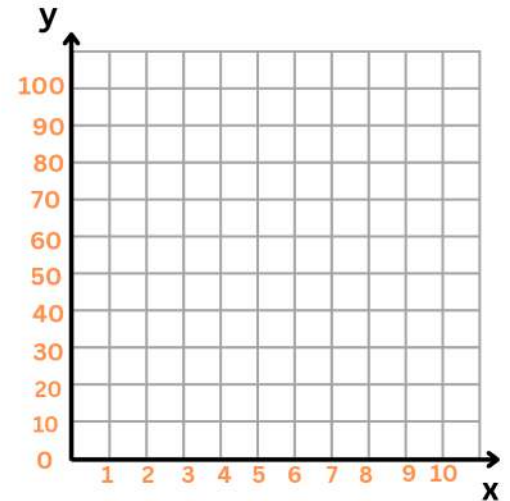
- b** What is the name of the figure ABCD?

.....



- 5 Lara is selling bags of cookies to make extra money . She earns 10 LE for each bag of cookies . Complete the table then graph the points on the coordinate grid .

Bags	2	4	7	8
Money	.....	.....	.....	.....



- 6 Find the area of the opposite shape .

.....



- 7 Which two types of triangles are shown?

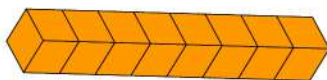
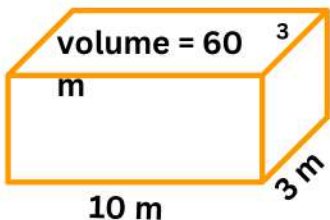
- ☐ a scalene triangle ☐ d right triangle
☐ b isosceles triangle ☐ e acute triangle
☐ c equilateral triangle ☐ f obtuse triangle



(خالص الأمنيات وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

30

- 1 The solid which has no edges, no faces, no vertices is called -----
 (a) cube (b) sphere (c) cone (d) cuboid
- 2 Number of edges of cube + number of edges of cone = -----
 (a) 12 (b) 13 (c) 24 (d) 14
- 3 Cuboid of length 11 cm, width 2 cm and height 4 cm, then its volume is ----- cm^3
 (a) 88 (b) 55 (c) 16 (d) 5
- 4 The unit of measuring volume is -----
 (a) cm (b) square cm (c) cubic cm (d) meter
- 5 Capacity of water can be poured in a cuboid vessel of inner dimentions 30 cm, 20 cm and 10 cm equals ----- cm^3
 (a) 60 (b) 6,000 (c) 5,000 (d) 4,000
- 6 Volume of  equals ----- 
 (a) 64 (b) 16 (c) 8 (d) 4
- 7 The missing dimension in the opposite cuboid is ----- m
 (a) 2 (b) 5
 (c) 6 (d) 30

- 8 The square pyramid has ----- triangular faces.
 (a) 4 (b) 5 (c) 7 (d) 8
- 9 A cuboid has 4 horizontal layers and 5 cube units in each Layer, then its volume = ----- cube unit(s).
 (a) 9 (b) 20 (c) $\frac{5}{4}$ (d) $\frac{4}{5}$

Q2: Answer the following :-

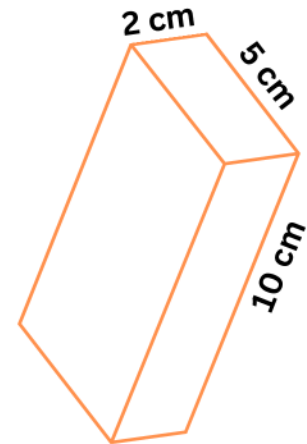
- 1** Find the volume of the opposite figure.

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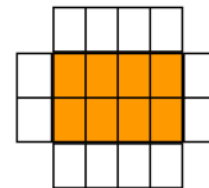


- 2** Rami used 15 cubes to build a 3 dimensions shape if the volume of each cube is 27 cm^3 , then find the volume of compound shape.

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- 3** Find the volume of obtained solid by folding the opposite shape.

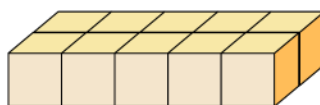


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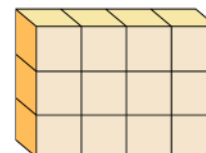
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- 4** Which of the following is greater in volume ?

a



b



.....

.....

- 5 A cuboid whose volume 300 cm^3 and its base area 30 cm^2 . Find its height .

.....

.....

- 6 Find the volume of rectangular prism its length 6 cm , width 5 cm and height 10 cm .

.....

.....

.....

- 7 A container of volume $45,000 \text{ cm}^3$ is full of oil. Oil was poured into a cuboid-shaped container with a square base of side length 30 cm.
Find the height of oil in the second container.

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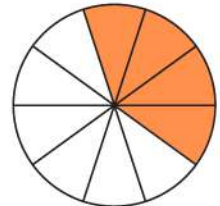
(خالص الأمنيات وبدوام التوفيق للجميع)

Q1: Choose the correct answer :-

20

- 1** The measure of the central angle that represents the opposite colored sector is -----

(a) 36° (b) 72°
(c) 144° (d) 120°



- 2** The following table shows the fractions of favorite colors of some children.

What is the fraction that represents the red and blue colors together ?

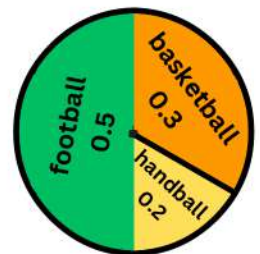
Color	Red	Blue	Green
Fractions	$\frac{1}{2}$	-----	$\frac{3}{10}$

(a) $\frac{1}{5}$ (b) $\frac{1}{2}$ (c) $\frac{3}{10}$ (d) $\frac{7}{10}$

- 3** The measure of the central angle of the circular sector that represents $\frac{1}{8}$ the circle is ----- $^\circ$

(a) 30 (b) 45 (c) 60 (d) 90

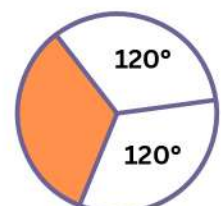
- 4** The opposite figure represents the decimals of the sport activities for the pupils in a class of a school, their number is 40 pupils, then the number of pupils who participated in basketball = ----- pupils



(a) 20 (b) 12 (c) 8 (d) 5

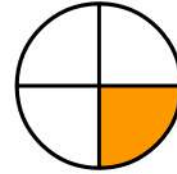
- 5** In the opposite figure ,the measure of the central angle of the colored circular sector equals ----- $^\circ$

(a) 360 (b) 120
(c) 130 (d) 230



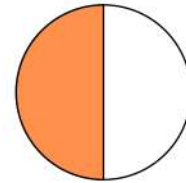
6 The decimal fraction of the shaded part = -----

- (a) 0.5 (b) 0.25
(c) 0.4 (d) 0.8



7 The circular degree that matches the fraction of the circle that is shaded = -----°

- (a) 90 (b) 120
(c) 180 (d) 360

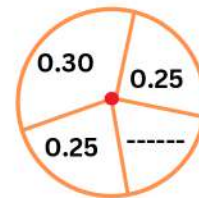


8 The measure of the central angle of the circular sector that represents $\frac{1}{4}$ the circle is -----°

- (a) 30 (b) 45 (c) 60 (d) 90

9 The missed part of the opposite pie chart = -----

- (a) 0.20 (b) 0.35
(c) 0.30 (d) 0.25

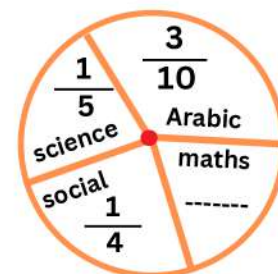


10 The decimal that represents one fourth of a circle = -----

- (a) 0.75 (b) 0.5 (c) 0.25 (d) 0.2

11 The fraction of the time that Enas spends in studying Maths is -----

- (a) $\frac{1}{5}$ (b) $\frac{1}{4}$
(c) $\frac{3}{10}$ (d) $\frac{1}{6}$



- 12 The measure of the angle which represents $\frac{1}{3}$ of the circle = ----- °
- (a) 30 (b) 36 (c) 60 (d) 120
- 13 The sum of the measures of angles around at a point is equal to----- °
- (a) 90 (b) 180 (c) 270 (d) 360

Q2: Answer the following :-

- 1 The following table shows the rate of the score of 200 students in one school of El-menofia governorate .

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$

- a) Represent these data by the pie chart .
- b) Find the number of excellent students .

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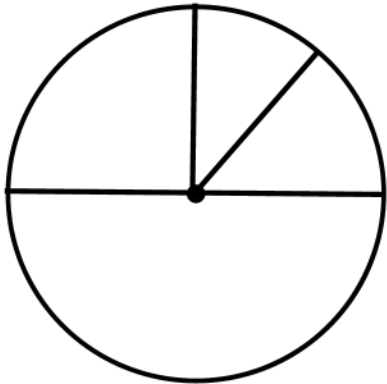
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2 The following table shows the number of students who practice sports .
Represent these data using the pie chart on the opposite figure .

Sport	Football	Basketball	Volleyball
Number of students	20	10	10

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3 The following table shows the rate of the score of 100 students in
one school of El-menofia governorate .

Rate	Excellent	V.Good	Good	Pass
No of students	25	50	15	10

Represent these data by the opposite pie chart .

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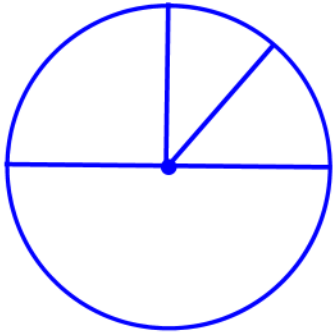
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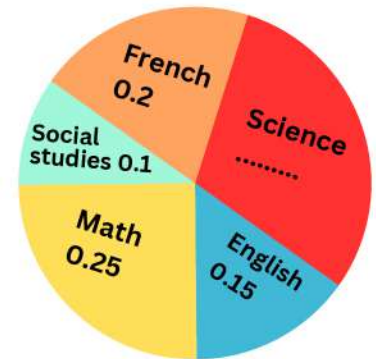
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- 4** The opposite figure shows the decimals of sales of different types of books.
Complete :



- a** The sales decimal of French books is -----
- b** The ascending order of books types according to the decimals of sales is : ----- , ----- , ----- , ----- and -----
- c** The sales decimal of Science books is -----
- d** The least sales decimal is in -----

Q1 :-

1 C

2 D

3 C

4 C

5 B

6 C

7 B

8 C

9 B

Q2 :-

1 $\frac{16}{24}$ and $\frac{9}{24}$

2 The left = $\frac{5}{7} - \frac{2}{3} = \frac{15}{21} - \frac{14}{21} = \frac{1}{21}$ kilogram

3 **a** $\frac{2}{3} + \frac{5}{7} = \frac{14}{21} + \frac{15}{21} = \frac{19}{21}$

b $1 - \frac{1}{4} - \frac{2}{3} = \frac{12}{12} - \frac{3}{12} - \frac{8}{12} = \frac{1}{12}$

4 **a** $3 \times 5 = 15$

b $\frac{5}{6} - \frac{1}{3} = \frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$

5 $\frac{1}{5} + \frac{1}{3} = \frac{3}{15} + \frac{5}{15} = \frac{8}{15}$

6 $\frac{3}{8} + \frac{1}{2} = \frac{7}{8}$

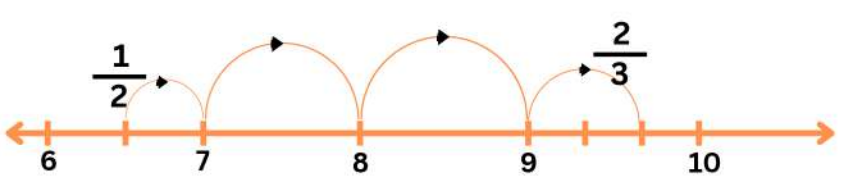
7 **a** $\frac{45 \div 5}{60 \div 5} = \frac{9 \div 3}{12 \div 3} = \frac{3}{4}$

b $2 \frac{8 \div 8}{24 \div 8} = 2 \frac{1}{3}$

Q1 :-

- 1 B 2 A 3 C 4 C 5 D
6 D 7 D 8 B 9 A

Q2 :-

- 1 The total time = $2 \frac{1}{2}$ hours + 90 minutes =
 $2 \frac{1}{2} + 1 \frac{1}{2} = (2+1) + \frac{1}{2} + \frac{1}{2} = 3 + 1 = 4$ hours
- 2 Bassem ate = $1 \frac{3}{4} + \frac{1}{5} = 1 \frac{15}{20} + \frac{4}{20} = 1 \frac{19}{20}$ kg
 Wael ate = $1 \frac{3}{4} - \frac{1}{2} = 1 \frac{3}{4} - \frac{2}{4} = 1 \frac{1}{4}$ kg
 They ate together = $1 \frac{3}{4} + 1 \frac{19}{20} + 1 \frac{1}{4} = (1+1+1) + \frac{15}{20} + \frac{5}{20} + \frac{19}{20} = 4 \frac{19}{20}$ kg
- 3 $2 \frac{3}{5} + 1 \frac{1}{2} = 3 \frac{11}{10} = 4 \frac{1}{10}$
- 4 $9 \frac{2}{3} - 6 \frac{1}{2} = \frac{1}{2} + 1 + 1 + \frac{2}{3} = \frac{3}{6} + 1 + 1 + \frac{4}{6} = 2 \frac{7}{6} = 3 \frac{1}{6}$
- 
- 5 Amany walked = $1 \frac{1}{2} + 2 \frac{2}{5} = 1 \frac{5}{10} + 2 \frac{4}{10} = 3 \frac{9}{10}$ km
- 6 The reminder = $2 \frac{2}{5} - 1 \frac{1}{5} = 1 \frac{1}{5}$ kg
- 7 Vegetables = $2 \frac{1}{2} + 1 \frac{3}{8} + 5 \frac{1}{4} = 2 \frac{4}{8} + 1 \frac{3}{8} + 5 \frac{2}{8} = 8 \frac{9}{8} = 9 \frac{1}{8}$ kg

Q1 :-

- 1** A **2** A **3** B **4** C **5** D
- 6** A **7** A **8** C **9** D

Q2 :-

- 1** He will harvest =
$$3 \frac{3}{4} \times 2 \frac{1}{2} = \frac{15}{4} \times \frac{5}{2} = \frac{75}{8} = 9 \frac{3}{8} \text{ kg}$$
- 2** $8 \div \frac{1}{3} = 8 \times 3 = 24$
- 3** He will harvest = $\frac{3}{4} \times 6 = \frac{9}{2} = 4 \frac{1}{2} \text{ hours}$
- 4** Numbers of students = $5 \div \frac{1}{8} = 5 \times 8 = 40 \text{ student}$
- 5** Sara ate = $\frac{1}{8} \times 24 = 3 \text{ cadies}$
The left = $24 - 3 = 21 \text{ candies}$
- 6** The price of each one = $26 \div 16 = 1 \frac{10}{6}$
- 7** Numbers of shelves = $8 \div \frac{1}{3} = 8 \times 3 = 24 \text{ shelves}$

Q1 :-

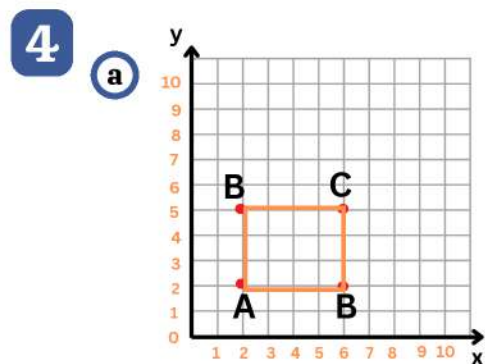
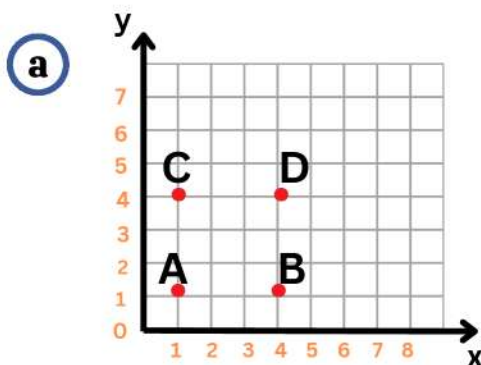
- 1 B 2 A 3 A 4 D 5 B
6 D 7 C 8 A 9 A

Q2 :-

- 1 The area of parking lot =
 $4 \times 3 \frac{1}{2} = 4 \times \frac{7}{2} = \frac{28}{2} = 14 \text{ km}^2$
- 6 Area = $7 \times 3 = 21 \text{ cm}^2$
- 7 Scalene triangle , right angle

- 2 Rectangle
- 

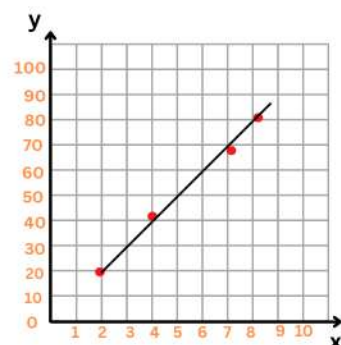
- 3
- (b) The ordered pair which represent
A (1, 1) B (4, 1)



- (b) Rectangle

5

Bags	2	4	7	8
Money	20	40	70	80



Q1 :-

- | | | | | |
|------------|------------|------------|------------|------------|
| 1 B | 2 A | 3 A | 4 C | 5 B |
| 6 C | 7 A | 8 B | 9 B | |

Q2 :-

- 1** The volume of the figure = $2 \times 5 \times 10 = 100 \text{ cm}^3$
- 2** The volume of compound shape = $27 \times 15 = 405 \text{ cm}^3$
- 3** The volume of figure = $2 \times 4 \times 1 = 8 \text{ cube units}$
- 4** **a** The volume of figure a = $2 \times 5 \times 1 = 10 \text{ cube unit}$
- b** The volume of figure b = $3 \times 12 \times 1 = 36 \text{ cube unit}$

The volume of figure b is greater.

- 5** The height = $300 \div 30 = 10 \text{ cm}$
- 6** The volume of rectangular prism = $6 \times 5 \times 10 = 300 \text{ cm}^3$
- 7** The height = $\frac{45,000}{30 \times 30} 50 \text{ cm}$

Q1 :-

1 C

2 D

3 B

4 B

5 B

6 B

7 C

8 D

9 A

10 C

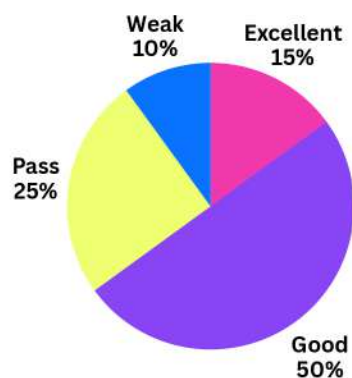
11 B

12 D

13 D

Q2 :-

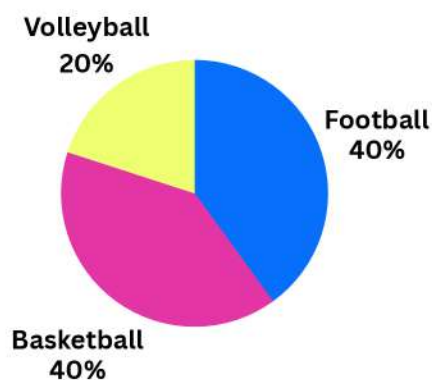
1 a)



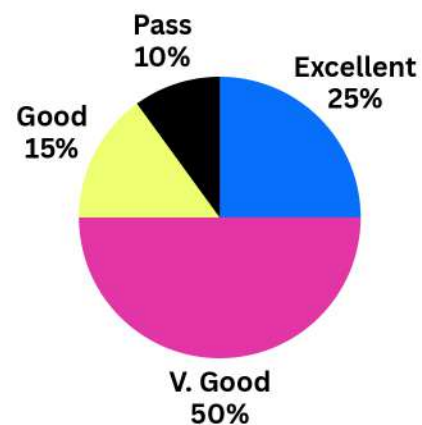
b) The number of excellent students =

$$200 \times \frac{3}{20} = 30 \text{ students}$$

2



3



4 a) 0.2

b) Social studies, English, French, Math, Science

c) 0.3

d) Social studies

حمل الآن

مجاناً وحصرياً

المراجعة رقم (3)

الترم الثاني



Choose the correct answer:

(01) The smallest like denominator of $\frac{2}{3}$ and $\frac{4}{5}$ is

- (A) 10 (B) 15 (C) 20 (D) 25

(02) the LCM of denominator of $\frac{1}{2}$ and $\frac{3}{10}$ is

- (A) 1 (B) 2 (C) 3 (D) 10

(03) $\frac{3}{5} + \frac{2}{5} = \dots\dots$

- (A) $\frac{3}{5}$ (B) $\frac{2}{5}$ (C) 1 (D) 2

(04) The simplest form of $\frac{12}{18}$ is

- (A) $\frac{2}{8}$ (B) $\frac{2}{3}$ (C) $\frac{18}{12}$ (D) 1

(05) The simplest form of $4\frac{2}{10}$ is

- (A) $4\frac{3}{4}$ (B) $4\frac{1}{5}$ (C) $\frac{42}{10}$ (D) $2\frac{3}{4}$

(06) $\frac{16}{24} = \frac{\dots\dots}{3}$

- (A) 2 (B) 3 (C) 4 (D) 8

(07) $\frac{1}{\dots\dots} = \frac{2}{8}$

- (A) 2 (B) 3 (C) 4 (D) 8

(08) $\frac{2}{5} + \frac{3}{10} = \dots\dots\dots$

(A) $\frac{5}{15}$

(B) $\frac{7}{10}$

(C) $\frac{5}{10}$

(D) $\frac{1}{2}$

(09) $\frac{3}{4} + \frac{1}{2} = \dots\dots\dots$

(A) $\frac{4}{6}$

(B) $\frac{3}{8}$

(C) $\frac{1}{4}$

(D) $1\frac{1}{4}$

(10) $\frac{3}{4} - \frac{5}{8} = \dots\dots\dots$

(A) $\frac{1}{4}$

(B) $\frac{1}{8}$

(C) $\frac{3}{8}$

(D) $\frac{5}{8}$

(11) $\frac{2}{7} + \frac{2}{5} = \dots\dots\dots$

(A) $\frac{4}{35}$

(B) $\frac{4}{13}$

(C) $\frac{4}{12}$

(D) $\frac{24}{35}$

(12) $\frac{4}{5} - \frac{3}{4} = \dots\dots\dots$

(A) $\frac{7}{20}$

(B) $\frac{15}{20}$

(C) $\frac{1}{20}$

(D) $\frac{3}{20}$

(13) $1 - \frac{\dots\dots}{\dots\dots} = \frac{5}{8}$

(A) $\frac{5}{8}$

(B) $\frac{3}{8}$

(C) $\frac{6}{8}$

(D) $\frac{1}{8}$

(14) $\frac{6}{8} - \frac{\dots\dots}{\dots\dots} = \frac{1}{8}$

(A) $\frac{1}{8}$

(B) $\frac{4}{8}$

(C) $\frac{5}{8}$

(D) $\frac{6}{8}$

(15) $1 - \frac{1}{4} - \frac{1}{6} = \dots\dots\dots$

(A) $\frac{7}{12}$

(B) $\frac{1}{12}$

(C) $\frac{5}{6}$

(D) $\frac{3}{4}$

(16) $1 + \frac{1}{2} + \frac{3}{4} = \dots\dots\dots$

(A) $\frac{5}{6}$

(B) $2\frac{1}{4}$

(C) $2\frac{9}{20}$

(D) $2\frac{1}{2}$

(17) $4\frac{3}{7} + 1\frac{5}{7} = \dots\dots\dots$

(A) $6\frac{1}{7}$

(B) $3\frac{3}{8}$

(C) $3\frac{1}{4}$

(D) $2\frac{3}{8}$

(18) $5\frac{5}{8} - 3\frac{2}{8} = \dots\dots\dots$

(A) $8\frac{7}{8}$

(B) $3\frac{3}{8}$

(C) $2\frac{1}{4}$

(D) $2\frac{3}{8}$

(19) $5\frac{1}{2} + 3\frac{1}{5} = \dots\dots\dots$

(A) $8\frac{2}{7}$

(B) $8\frac{7}{10}$

(C) $8\frac{1}{2}$

(D) $8\frac{2}{5}$

(20) $1\frac{4}{5} - 1\frac{1}{20} = \dots\dots\dots$

(A) $\frac{7}{20}$

(B) $\frac{4}{3}$

(C) $\frac{3}{4}$

(D) $1\frac{1}{5}$

(21) $5\frac{2}{7} + k = 6\frac{5}{7}$ then $k = \dots\dots\dots$

(A) $11\frac{6}{7}$

(B) $1\frac{3}{7}$

(C) $4\frac{3}{7}$

(D) $5\frac{1}{7}$

(22) $a + 5\frac{5}{6} = 9\frac{1}{12}$ then $a = \dots\dots\dots$

(A) $4\frac{4}{12}$

(B) 4

(C) $3\frac{1}{4}$

(D) $4\frac{9}{12}$

(23) $K - 1\frac{1}{3} = 4\frac{2}{3}$ then $k = \dots\dots\dots$

(A) 6

(B) 5

(C) $3\frac{1}{5}$

(D) $5\frac{3}{6}$

(24) $2\frac{25}{40}$ is equivalent to $\dots\dots\dots$

(A) $2\frac{8}{5}$

(B) $2\frac{10}{40}$

(C) $2\frac{5}{8}$

(D) $1\frac{12}{20}$

(25) $\frac{19}{5}$ is equivalent to $\dots\dots\dots$

(A) $3\frac{3}{5}$

(B) $4\frac{1}{5}$

(C) $3\frac{2}{5}$

(D) $3\frac{4}{5}$

(26) $3\frac{4}{7}$ can regrouped as $\dots\dots\dots$

(A) 3

(B) 4

(C) $2\frac{11}{7}$

(D) $2\frac{4}{7}$

(27) $2\frac{1}{3}$ hours = $\dots\dots\dots$ minutes

(A) 150

(B) 120

(C) 130

(D) 140

(28) $\frac{3}{4}$ year = $\dots\dots\dots$ months

(A) 3

(B) 6

(C) 9

(D) 12

(29) $2\frac{1}{2}$ days = $\dots\dots\dots$ hours.

(A) 24

(B) 36

(C) 48

(D) 60

(30) $2\frac{1}{4} \times 4 = \dots\dots\dots$

(A) $8\frac{1}{4}$

(B) 9

(C) $9\frac{1}{2}$

(D) 10

(31) $\frac{3}{5} \times \frac{1}{2} = \dots\dots\dots$

(A) $\frac{3}{2}$

(B) $\frac{3}{5}$

(C) $\frac{6}{5}$

(D) $\frac{3}{10}$

(32) $2\frac{1}{3} \times \frac{3}{7} = \dots\dots\dots$

(A) $\frac{4}{4}$

(B) $\frac{3}{7}$

(C) $2\frac{1}{7}$

(D) $\frac{7}{3}$

(33) $2 \times 3\frac{1}{5} = \dots\dots\dots$

(A) $3\frac{1}{5}$

(B) $2\frac{1}{6}$

(C) $1\frac{2}{5}$

(D) $6\frac{2}{5}$

(34) $\frac{3}{7} \times 8 = \dots\dots\dots$

(A) $\frac{8}{3} \times 7$

(B) $\frac{6}{7} \times 4$

(C) $\frac{5}{7} \times 6$

(D) $\frac{24}{7} \times 7$

(35) $5\frac{1}{7} \times 3\frac{1}{4} = \frac{36}{7} \times \frac{\dots\dots}{4}$

(A) 15

(B) 8

(C) 13

(D) 1

(36) $4\frac{3}{7} \times 5 = (4 \times 5) + (\dots\dots\dots)$

(A) $4\frac{3}{7}$

(B) $\frac{12}{7}$

(C) $\frac{3}{7} \times 5$

(D) $\frac{7}{3} \times 5$

(37) $2\frac{5}{7} \times \frac{1}{5} = \left(2 \times \frac{1}{5}\right) + \left(\dots \times \frac{1}{5}\right)$

(A) 2

(B) $\frac{1}{5}$

(C) $\frac{5}{7}$

(D) $\frac{10}{7}$

(38) $\frac{3}{\dots} \times \frac{4}{5} = \frac{12}{25}$

(A) 3

(B) 4

(C) 5

(D) 6

(39) $\frac{1}{3} \times \frac{6}{7} \square \frac{4}{7} - \frac{1}{7}$

(A) >

(B) <

(C) =

(D) ≠

(40) What the product of $\frac{4}{5}$ and $\frac{3}{4}$?

(A) $\frac{3}{5}$

(B) $\frac{2}{5}$

(C) $\frac{1}{5}$

(D) 0

(41) $\frac{4}{5} \times \dots = 1$

(A) $\frac{1}{5}$

(B) $\frac{5}{4}$

(C) $\frac{3}{5}$

(D) $\frac{4}{5}$

(42) $1\frac{5}{6} \times \dots = 1$

(A) 5

(B) $\frac{5}{4}$

(C) $\frac{5}{6}$

(D) $\frac{6}{11}$

(43) $4\frac{1}{2} \times 2\frac{2}{3} = \dots$

(A) 12

(B) $8\frac{1}{3}$

(C) $5\frac{2}{3}$

(D) $\frac{17}{6}$

(44) $1\frac{3}{5} \times \frac{2}{3} = \frac{\dots}{5} \times \frac{2}{3}$

(A) 6

(B) 7

(C) 8

(D) 9

(45) $15 \div 4 = \dots$

(A) $3\frac{1}{4}$

(B) $2\frac{2}{4}$

(C) $3\frac{3}{4}$

(D) 1

(46) $7 \div 3 = \dots\dots\dots$

(A) $2\frac{1}{3}$

(B) $2\frac{2}{3}$

(C) $3\frac{1}{3}$

(D) 5

(47) $6\frac{1}{2} = \dots \div 2$

(A) 11

(B) 12

(C) 13

(D) 14

(48) $12 \div 8 = 1\frac{1}{\dots\dots\dots}$

(A) 2

(B) 3

(C) 4

(D) 5

(49) $14 \div 5 = \dots + 2$

(A) $\frac{2}{5}$

(B) $\frac{3}{5}$

(C) $\frac{4}{5}$

(D) $\frac{1}{5}$

(50) $3 \div \frac{1}{5} \square 8$

(A) $>$

(B) $<$

(C) $=$

(D) $\neq$

(51) $4 \div \frac{1}{5} = \dots\dots\dots$

(A) $\frac{4}{5}$

(B) $\frac{1}{20}$

(C) 20

(D) $\frac{5}{4}$

(52) $5 \div \frac{1}{2} = \dots\dots\dots$

(A) 10

(B) $\frac{1}{20}$

(C) 10

(D) 25

(53) $\frac{1}{2} \div 6 = \dots\dots\dots$

(A) $\frac{1}{6}$

(B) $\frac{1}{2}$

(C) $\frac{1}{12}$

(D) $\frac{1}{5}$

(54) If $\frac{1}{2} \div m = \frac{1}{16}$, then $m = \dots$

(A) 8

(B) $\frac{1}{8}$

(C) 14

(D) $\frac{1}{14}$

(55) If $\frac{1}{5} \div y = \frac{1}{20}$, then $y = \dots$

(A) 3

(B) $\frac{1}{3}$

(C) 4

(D) $\frac{1}{4}$

(56) $7 \div a = 35$, then $a = \dots$

(A) 5

(B) $\frac{1}{5}$

(C) 28

(D) $\frac{1}{7}$

(57) $8 \div z = 24$, then $z = \dots$

(A) 3

(B) $\frac{1}{3}$

(C) 32

(D) $1\frac{1}{3}$

(58) $\frac{1}{7} \times d = \frac{1}{21}$, then $d = \dots$

(A) $\frac{1}{7}$

(B) $\frac{1}{21}$

(C) $\frac{1}{3}$

(D) $\frac{1}{4}$

(59) $\frac{1}{3} \times a = \frac{1}{15}$, then $a = \dots$

(A) $\frac{1}{3}$

(B) $\frac{1}{2}$

(C) $\frac{1}{5}$

(D) $\frac{1}{4}$

(60) $6 \times e = 18$, then $a = \dots$

(A) 1

(B) 2

(C) 3

(D) 4

(61) How many fourths are there in 5?

(A) 10

(B) 15

(C) 20

(D) 25

(62) The number of thirds in one?

(A) 1

(B) 2

(C) 3

(D) 4

(63) If the side lengths of a triangle are different, then the triangle is called triangle.

- Ⓐ equilateral Ⓑ isosceles Ⓒ scalene

(64) If the side lengths of a triangle are equals, then the triangle is called triangle.

- Ⓐ equilateral Ⓑ isosceles Ⓒ scalene

(65) The triangle whose side lengths are 4 cm, 4 cm and 4 cm called triangle.

- Ⓐ equilateral Ⓑ isosceles Ⓒ scalene

(66) The triangle whose side lengths are 7 cm, 4 cm and 7 cm called triangle.

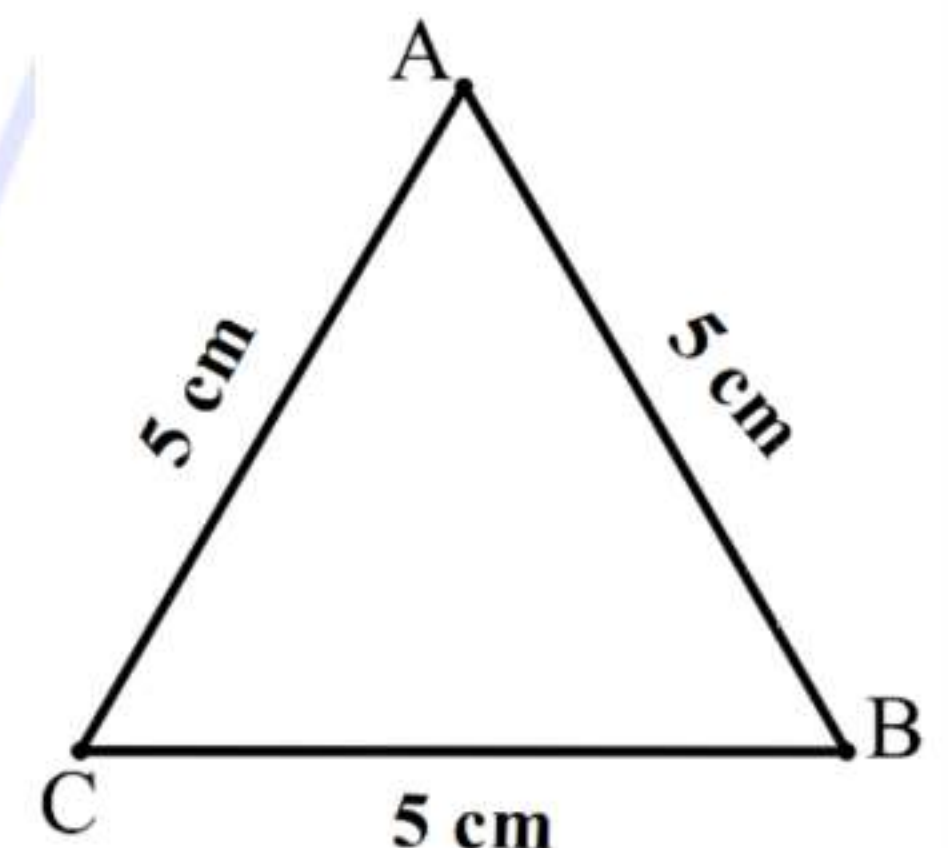
- Ⓐ equilateral Ⓑ isosceles Ⓒ scalene

(67) The triangle whose side lengths are 3cm, 4cm and 5cm called triangle.

- Ⓐ equilateral Ⓑ isosceles Ⓒ scalene

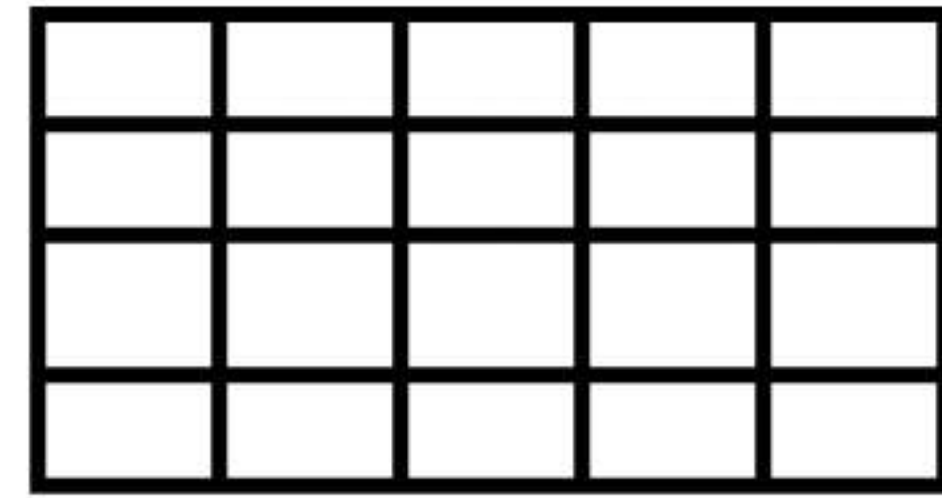
(68) The opposite triangle is

- Ⓐ equilateral Ⓑ isosceles Ⓒ scalene



- (69) The triangle whose side lengths are 4 cm, 3 cm and cm is called scalene triangle.
- (A) 4 (B) 3 (C) 7
- (70) The triangle whose side lengths are is equilateral triangle.
- (A) 7cm , 5cm, 7cm
(B) 5cm , 5cm, 5cm
(C) 5cm , 6cm, 7cm
(D) 3cm , 4cm, 4cm
- (71) 50° , 70° and 60° are the measures of the angles of triangle.
- (A) an obtuse – angled (B) a right – angled (C) an acute – angled
- (72) 30° , 60° and 90° are the measures of the angles of triangle.
- (A) an obtuse – angled (B) a right – angled (C) an acute – angled
- (73) 40° , 20° and 120° are the measures of the angles of triangle.
- (A) an obtuse – angled (B) a right – angled (C) an acute – angled
- (74) The triangle whose measures of angles are 40° , 50° and is right-angled triangle.
- (A) 50° (B) 40° (C) 90° (D) 180°
- (75) Area of rectangle =
- (A) $l + w$ (B) $l \times w$ (C) $\frac{l}{w}$ (D) $(l + w) \times 2$

(76) The area of the opposite rectangle = Square units.



- (A) 15 (B) 18 (C) 20 (D) 24

(77) The area of rectangle of dimensions $3\frac{1}{5}$ cm and $2\frac{1}{2}$ cm is

- (A) 8 m^2 (B) 8 cm^2 (C) 8 km^2 (D) 8 cm

(78) The area of rectangle of length $\frac{2}{3}$ cm and width $\frac{1}{4}$ cm is cm^2 .

- (A) $\frac{11}{12}$ (B) $\frac{1}{6}$ (C) $\frac{5}{12}$ (D) $\frac{3}{8}$

(79) Area of opposite rectangle = cm^2 .

- (A) $5\frac{3}{4}$ (B) $5\frac{1}{4}$ (C) $4\frac{13}{20}$ (D) $3\frac{2}{5}$

$3\frac{3}{4}\text{ cm}$

$1\frac{2}{5}\text{ cm}$

(80) The point (0, 3) lies on

- (A) x – axis (B) y – axis (C) origin point

(81) The point (5, 0) lies on

- (A) x – axis (B) y – axis (C) origin point

(82) Which of the following points located on x-axis?

- (A) (3, 0) (B) (0, 5) (C) (3, 7) (D) (10, 2)

(83) Which of the following points located on y-axis?

- (A) (3, 0) (B) (0, 5) (C) (3, 7) (D) (10, 2)

(84) The origin point is

- (A) (1, 0) (B) (0, 1) (C) (0, 0) (D) (1, 1)

(85) The x-coordinate of the origin point is

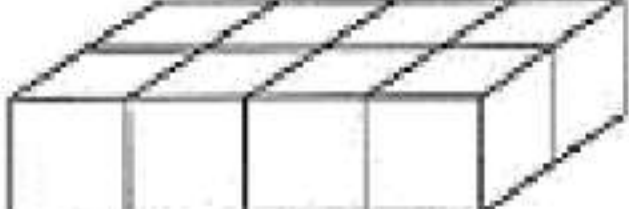
- (A) 0 (B) 1 (C) 2 (D) 3

(86) The y-coordinate of the origin point is

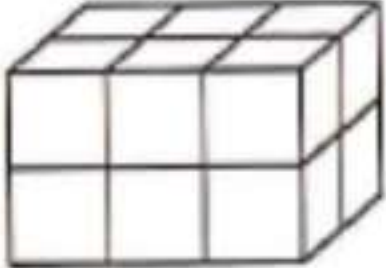
- (A) 0 (B) 1 (C) 2 (D) 3

(87) The y-coordinate in the ordered pair (2, 5) is

- (A) 5 (B) 1 (C) 2 (D) 3

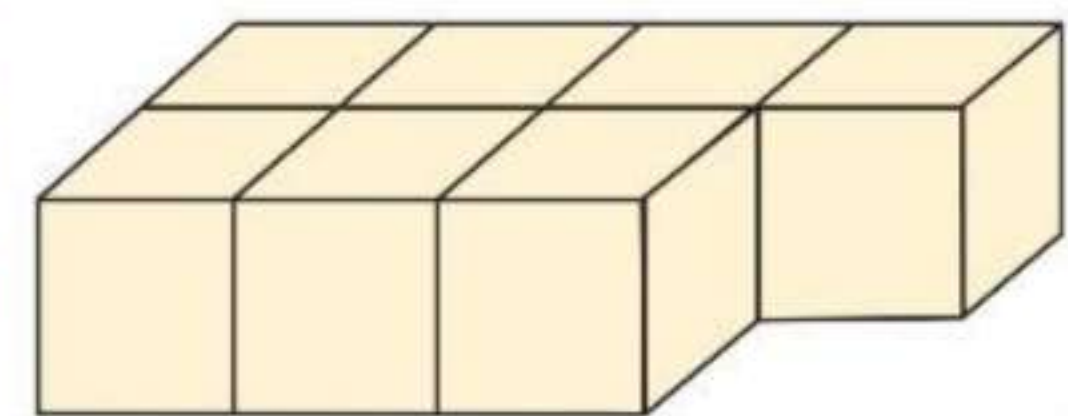
(88)  has 

- (A) 4 (B) 8 (C) 10 (D) 2

(89) Volume of  is cube units.

- (A) 8 (B) 12 (C) 24 (D) 10

(90) The volume of the opposite figure
= Cubic units



- (A) 4 (B) 5 (C) 7 (D) 6

(91) The volume of the opposite
solid = cm^3

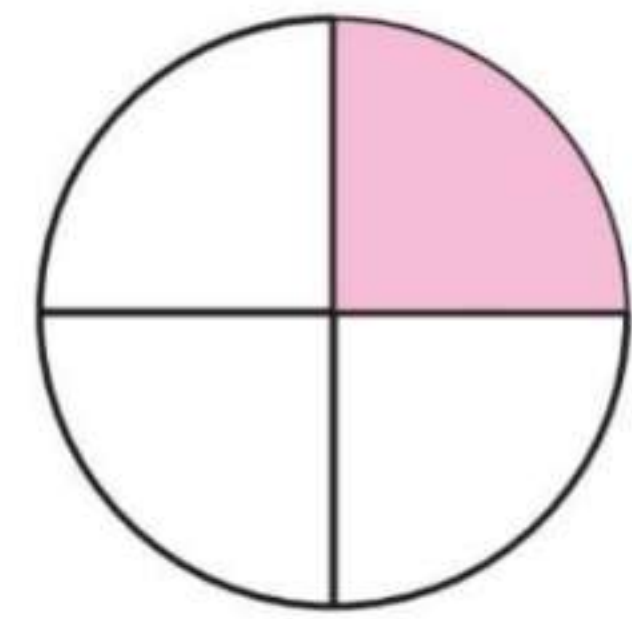


- (A) 17 (B) 170 (C) 120 (D) 140

- (92) A cuboid has 3 horizontal layers and 6 cube units in each layer, then its volume = cube units.
- (A) 9 (B) 18 (C) 24 (D) 12
- (93) A cuboid has 2 vertical slices each slice has 4 cm^2 , then its volume = cm^3
- (A) 6 (B) 4 (C) 12 (D) 8
- (94) A box is filled by 4 horizontal layers, each layer contains 8 cube units, then its capacity = cube unit.
- (A) 4 (B) 12 (C) 32 (D) 24
- (95) Volume of cuboid = 60 cm^3 and base area = 20 cm^2 , then its height = cm
- (A) 1200 (B) 80 (C) 3 (D) 40
- (96) The measure of the central angle of the circular sector that represents $\frac{1}{12}$ the circle is $^\circ$
- (A) 30° (B) 60° (C) 90° (D) 120°
- (97) The measure of the central angle of the circular sector that represents $\frac{1}{4}$ the circle is $^\circ$
- (A) 30 (B) 45 (C) 60 (D) 90

(98) The circular degrees that match.

the fraction of the circle that is shaded = °



(A) 60

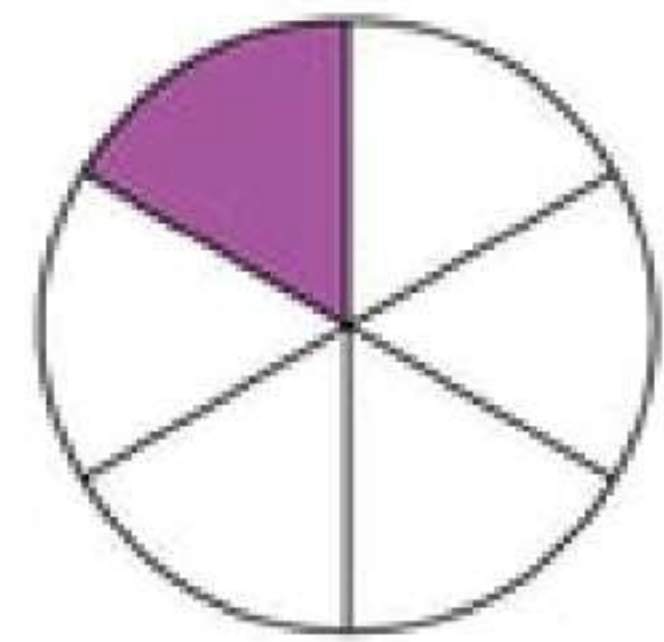
(B) 90

(C) 120

(D) 180

(99) The circular degrees that match.

the fraction of the circle that is shaded = °



(A) 30

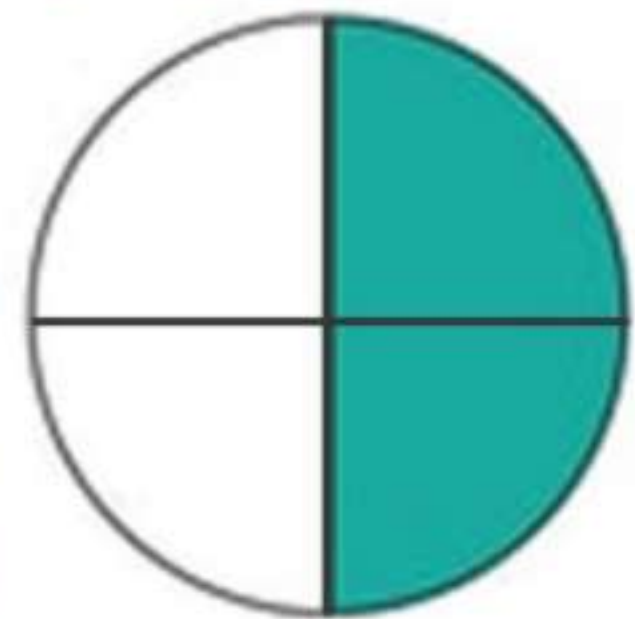
(B) 45

(C) 60

(D) 90

(100) The circular degrees that match

the fraction of the circle that is shaded = °



(A) 90

(B) 120

(C) 180

(D) 270

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2) Complete:

(1) The LCM of denominators of $\frac{3}{4}$ and $\frac{3}{5}$ is

(2) The LCM of denominators of $\frac{2}{20}$ and $\frac{1}{5}$ is

(3) Simplest form of $\frac{15}{27}$ is

(4) Simplest form of $\frac{6}{12}$ is

(5) The simplest form of $\frac{24}{18}$ is $\frac{a}{3}$, then $a = \dots\dots\dots$

(6) $\frac{1}{\dots\dots\dots} = \frac{2}{6}$

(7) $\frac{8}{32} = \frac{4}{\dots\dots\dots}$

(8) $\frac{7}{12} - \frac{3}{12} = \dots\dots\dots$

(9) $7\frac{2}{7} + 1\frac{3}{7} = \dots\dots\dots$

(10) $\frac{1}{2} + \frac{2}{5} = \dots\dots\dots$

(11) $5\frac{1}{2} - \frac{3}{4} = \dots\dots\dots$

(12) $\frac{1}{6} + \frac{5}{8} = \dots\dots\dots$

(13) If $X + 2\frac{1}{8} = 5\frac{3}{8}$, then $X = \dots\dots\dots$

(14) $9\frac{1}{4} - \dots\dots\dots = 3\frac{3}{4}$

(15) $\frac{1}{5}$ minute = $\dots\dots\dots$ seconds.

(16) $2\frac{1}{4}$ years = $\dots\dots\dots$ months.

(17) $7\frac{1}{10}$ minutes = $\dots\dots\dots$ minutes and $\dots\dots\dots$ Seconds.

(18) $6\frac{1}{2}$ years = $\dots\dots\dots$ years and $\dots\dots\dots$ months.

(19) $4 \times \dots\dots\dots = (6 \times 4) + \left(\frac{2}{3} \times 4\right)$

(20) $2\frac{1}{3} \times 6 = (2 \times 6) + (\dots \times 6)$

(21) $3\frac{2}{3} \times \frac{1}{4} = (\dots \times 3) + \left(\dots \times \frac{1}{4}\right)$

(22) $\frac{3}{5} \times \frac{1}{2} = \dots\dots\dots$

(23) $\frac{2}{9} \times \frac{1}{2} = \dots\dots\dots$

(24) $1\frac{1}{8} \times 2 = \dots\dots\dots$

(25) $2\frac{2}{5} \times \frac{1}{3} = \dots\dots\dots$

(26) $3\frac{1}{5} = \frac{\dots\dots\dots}{5}$

(27) $\frac{2}{5} \times \frac{\dots\dots\dots}{\dots\dots} = 1$

(28) $4 \frac{1}{2} \times \frac{\dots}{\dots} = 1$

(29) $7 \div 2 = \dots\dots\dots$

(30) $\frac{1}{4} \div 3 = \dots\dots\dots$

(31) $4 \div \frac{1}{2} = \dots\dots\dots$

(32) $\frac{1}{3} \div a = \frac{1}{6}$, $a = \dots\dots\dots$

(33) $\frac{1}{4} \div c = \frac{1}{24}$, $c = \dots\dots\dots$

(34) $2 \times d = 8$, $d = \dots\dots\dots$

(35) $5 \times e = 25$, $e = \dots\dots\dots$

(36) $\frac{1}{5} \times f = \frac{1}{15}$, $f = \dots\dots\dots$

(37) $\frac{1}{8} \times g = \frac{1}{24}$, $g = \dots\dots\dots$

(38) The shape  is called

(39) The shape  is called

(40) The shape  is called

(41) The triangle has sides and angles.

(42) The measure of a right angle is 90°

(43) The measure of an obtuse angle is 90°

- (44) The measure of an acute angle is 90°
- (45) The angle of measure more than 90° is angle
- (46) The angle of measure less than 90° is angle.
- (47) Any triangle has at least Acute angles.
- (48) 20° , 70° and 90° are the measures of the angles of triangle.
- (49) 40° , 60° and 80° are the measures of the angles of triangle.
- (50) 30° , 30° and 120° are the measures of the angles of triangle.
- (51) Triangle has 3 acute angles.
- (52) Triangle has 3 equal sides.
- (53) Triangle has 3 different sides.
- (54) The equilateral triangle is 3 a triangle whose sides are
- (55) The triangle with equal sides is called triangle.
- (56) The triangle ABC is an equilateral triangle where $AB = 5$ cm,
then $AC =$ cm and $BC =$ cm
- (57) In the equilateral triangle LMN, $LM = MN = 5$ cm, then $LN =$ Cm
- (58) The triangle of sides 7cm, 5cm, 8cm is called triangle.
- (59) The triangle of sides 5cm, 5cm, 4cm is called triangle.
- (60) The triangle of sides 4cm, 4cm, 4cm is called triangle.

- (61) In $\triangle ABC$, $AB = 5\text{cm}$, $BC = 7\text{cm}$ and $AC = 3\text{cm}$, then the triangle is.....
- (62) In $\triangle ABC$, $AB = BC = 7\text{cm}$ and $AC = 4\text{cm}$, then the triangle is
- (63) Area of rectangle = $\times$
- (64) Area of rectangle = $\times$ width
- (65) Area of rectangle of dimensions $\frac{1}{3}$ units and $\frac{1}{4}$ units is
- (66) The area of rectangle of dimensions $2\frac{1}{2}$ m and $\frac{1}{5}$ m is
- (67) In the ordered pair (5,7) the x-coordinate is
- (68) In the ordered pair (1,2) the y-coordinate is
- (69) The x-coordinate of (2,5) is
- (70) The y-coordinate of (2,5) is
- (71) The origin point is (... , ...)
- (72) The x-coordinate of the origin point is
- (73) The y-coordinate of the origin point is
- (74) is vertical axes in the coordinate plane.
- (75) is horizontal axes in the coordinate plane.
- (76) The point (0,7) lies on -axis.
- (77) The point (3,0) lies on -axis.

(78) Volume of cuboid = $\times$ $\times$

(79) Volume of cuboid = $\times$ height.

(80) = base area $\times$ height.

(81) volume $\div$ base area =

(82) volume $\div$ height =

(83) Height of cuboid = $\div$

(84) The volume of cuboid of dimensions 2m, 5m and 6m is m^3

(85) A rectangular prism of length 7cm, width 5 cm and height 2cm, then its
volume = Cm^3

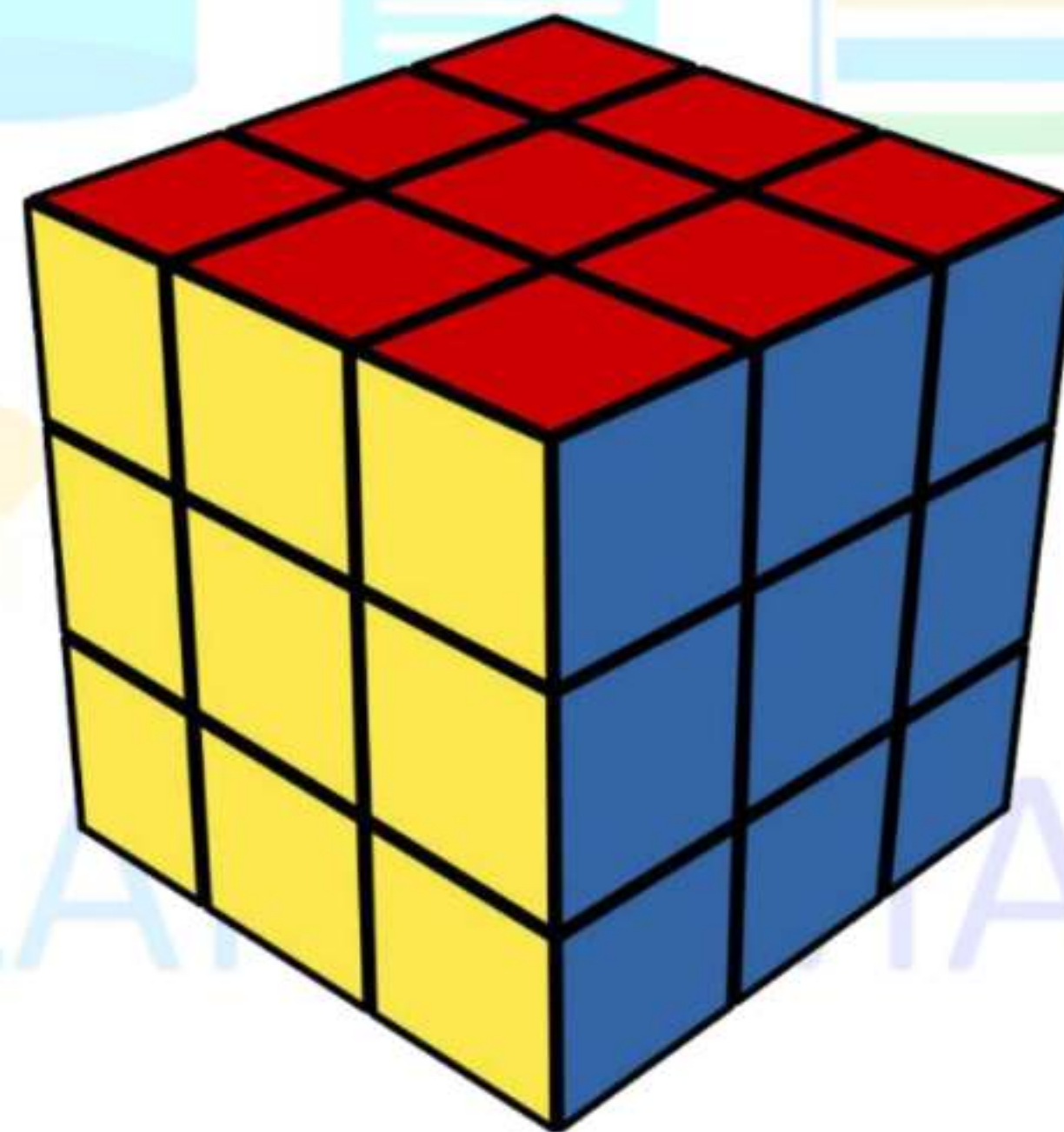
(86) A cuboid whose base area 15 cm^2 and height 10 cm, then its
volume = Cm^3

(87) Length: cm

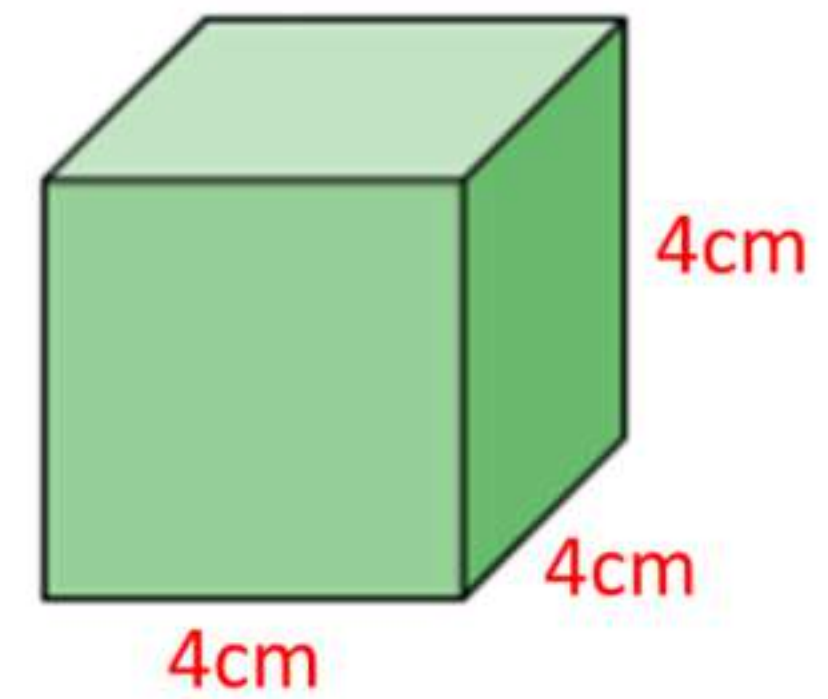
width: cm

height: cm

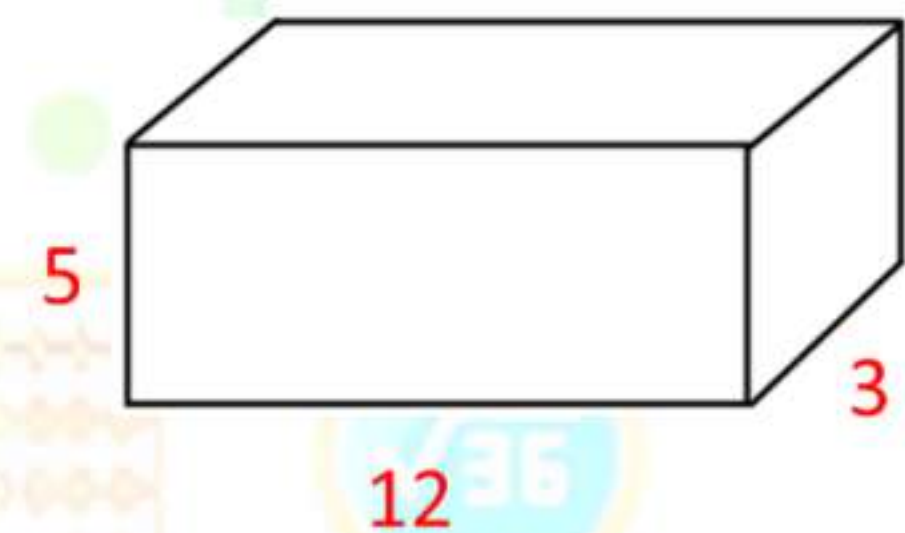
volume: cm^3



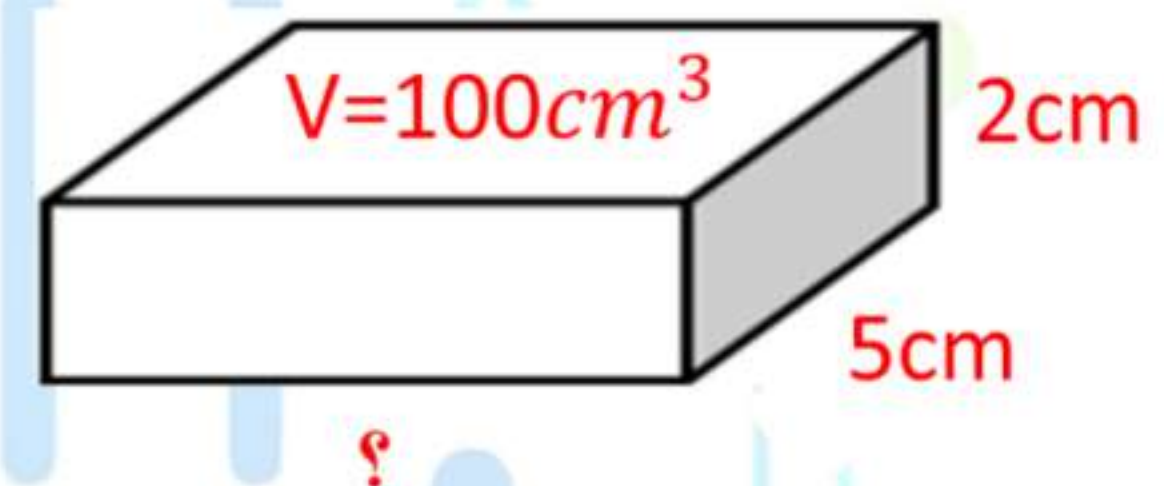
(88) Volume = m^3



(89) The volume of the opposite figure = cm^3



(90) The missing dimension in the opposite cuboid is cm



(91) A cuboid whose volume 300 cm^3 and base area 30 cm^2 , then its height = cm

(92) A cuboid whose volume 36 cm^3 , length 4 cm and width 3 cm, then its height = cm

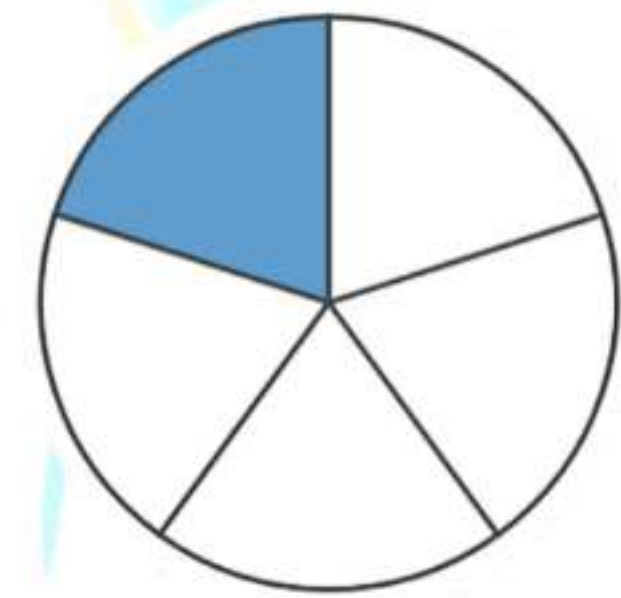
(93) A cuboid whose volume 24 cm^3 and its height 3 cm, then its base area = cm^2

(94) A cuboid whose volume 40 cm^3 and its height 4 cm, its width 2 cm, then its length = cm

(95) A cuboid has 2 horizontal layers and 5 cube units in each layer, then its volume = cube units.

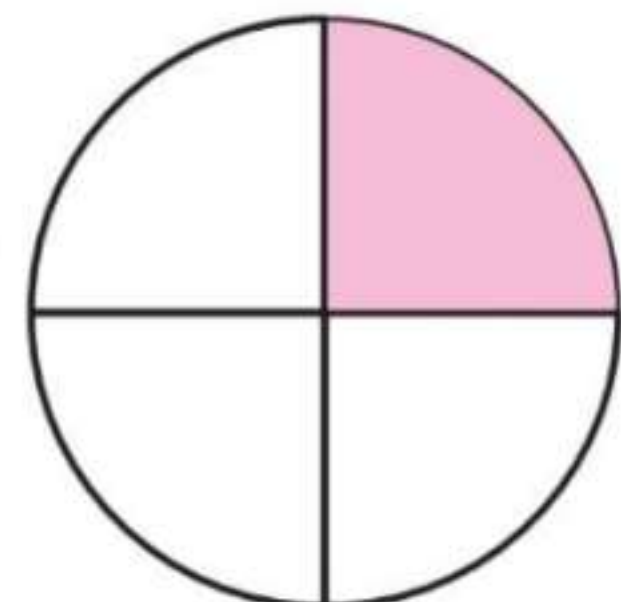
(96) A cuboid has 4 vertical slices each slice has 6 cm^2 , then its volume = cm^3

(97) The fraction which represents the shaded part is



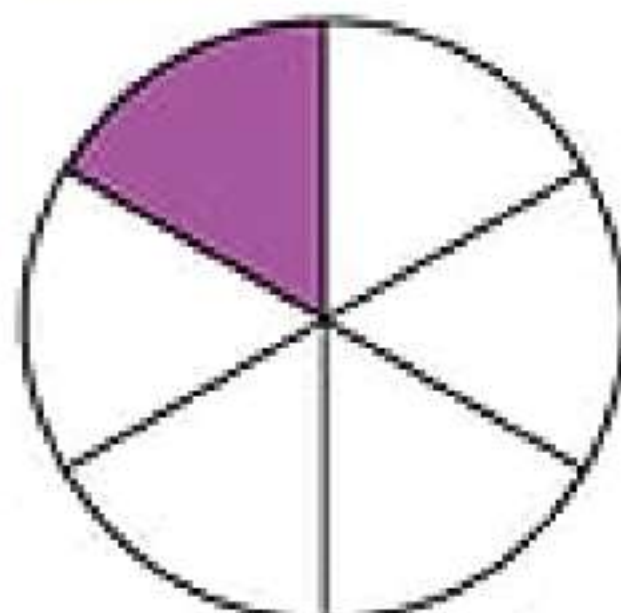
(98) The circular degrees that match

the fraction of the circle that is shaded = °



(99) The circular degrees that match

the fraction of the circle that is shaded = °



(100) The measure of the central angle which represents $\frac{1}{4}$ of the circle is

Answer the following questions:

(1) $2\frac{2}{5} \times \frac{2}{3} = \dots$

using distributive property

.....

.....

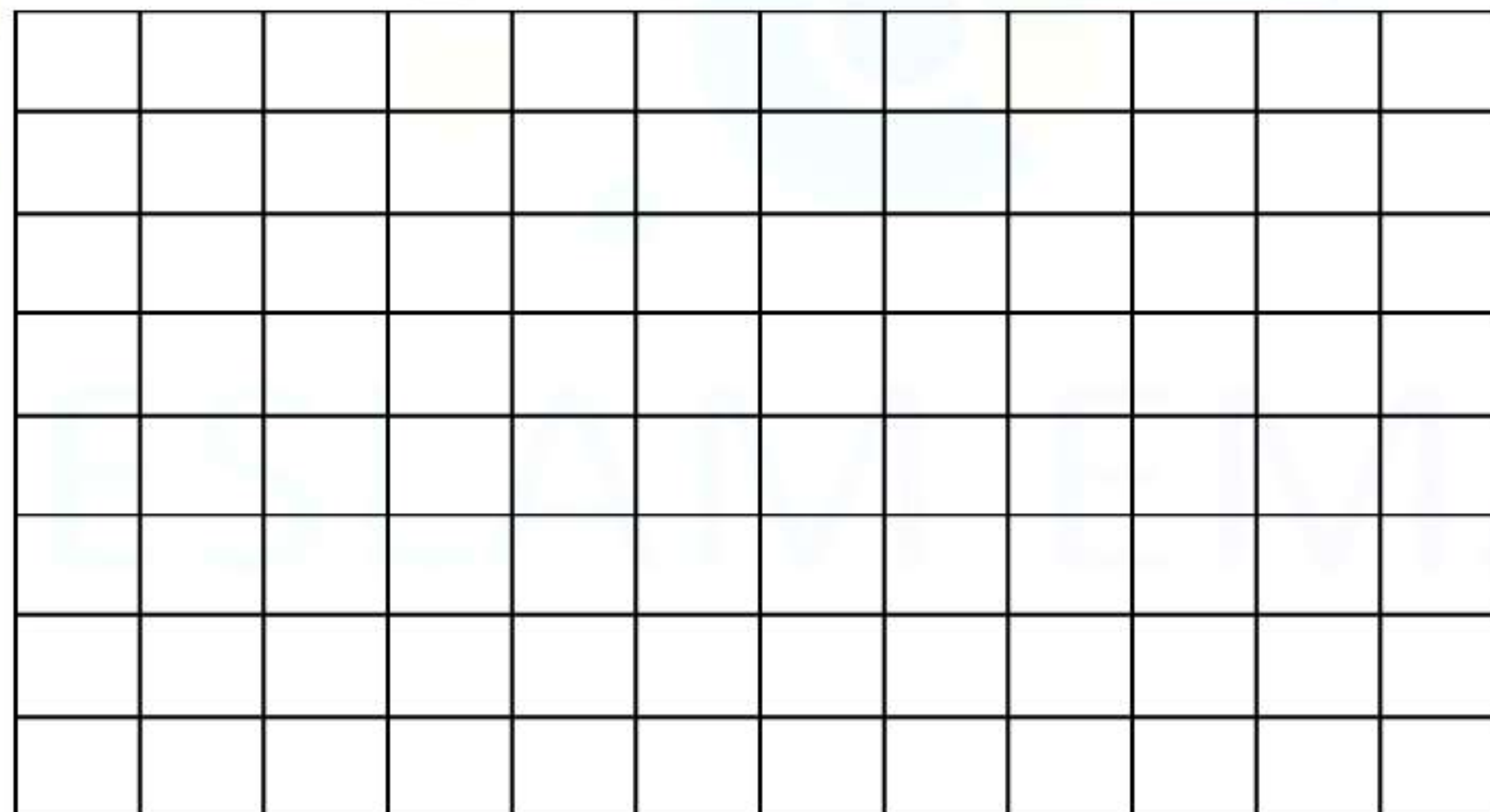
(2) $2\frac{1}{4} \times 2\frac{2}{3} = \dots$

using improper fraction

.....

.....

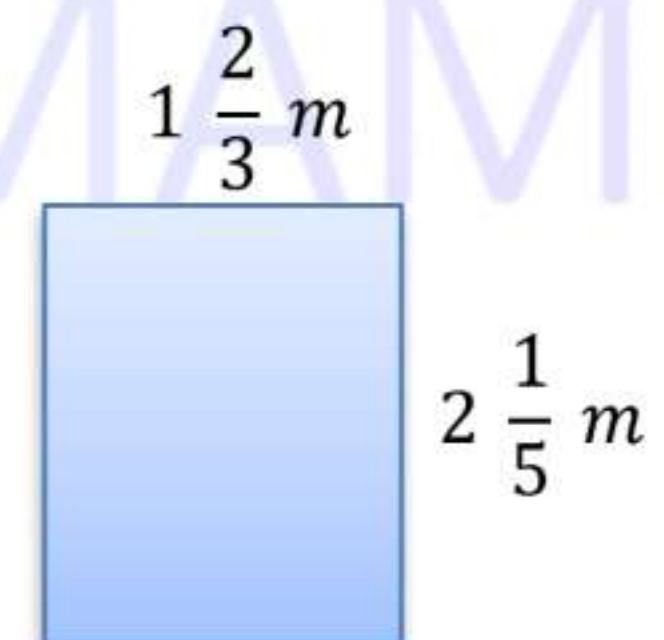
- (3)** Draw a rectangle with a length of 10 units and width 3 units, then find its area.



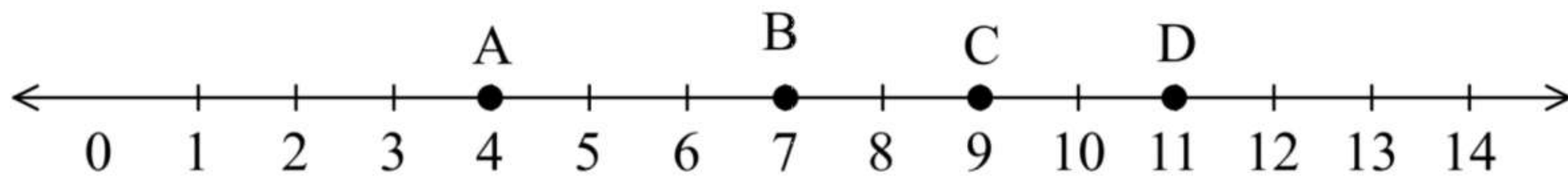
- (4)** What is the area of the rectangle shown?

.....

.....



(5) Use the number line to answer the questions

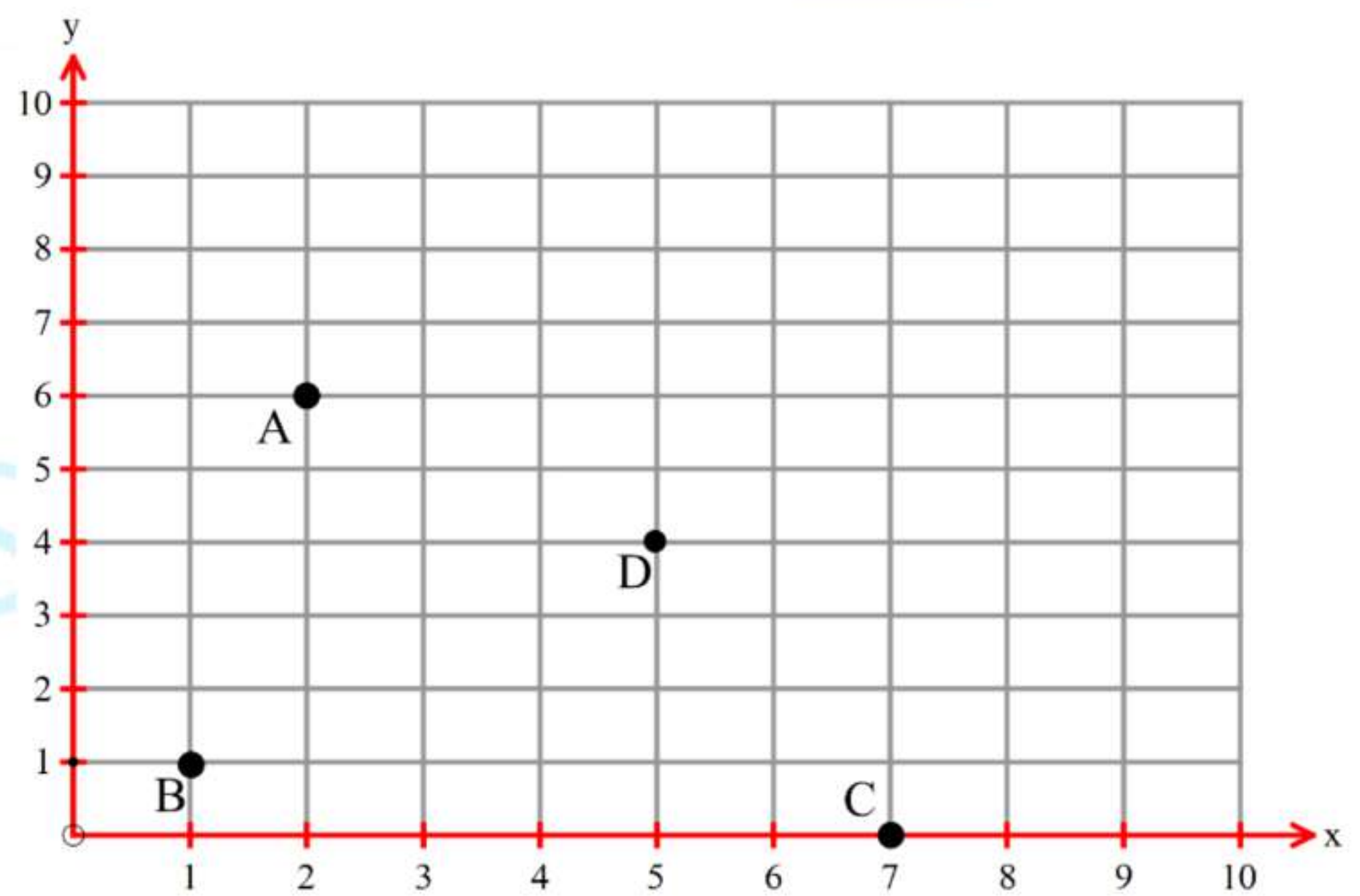


- a) What is the value of A?
- b) What is the value of B?
- c) What is the value of C?
- d) What is the value of D?
- e) What is the distance between A and C?
- f) What is the distance between B and C?
- g) What is the distance between A and D?

(6) In the following grid, observe and answer.

Write the order pair of each of the following points:

- ① A (... , ...)
- ② B (... , ...)
- ③ C (... , ...)
- ④ D (... , ...)



(7) In the opposite coordinate plane:

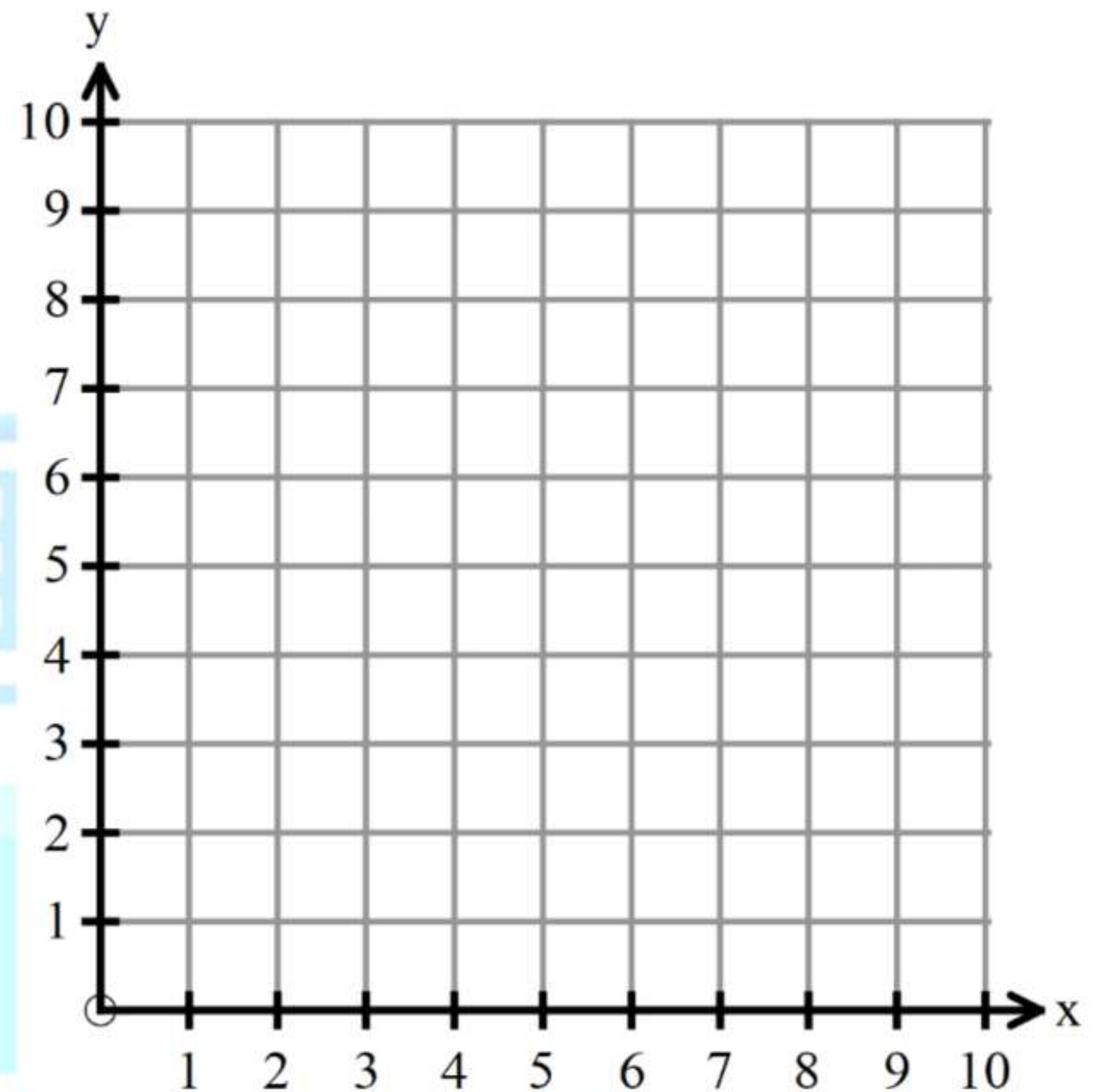
a. Graph the figure ABCD were.

A (3,5), B (7,5), C (3,10) and D (7,10)

b. what is the name of the figure ABCD

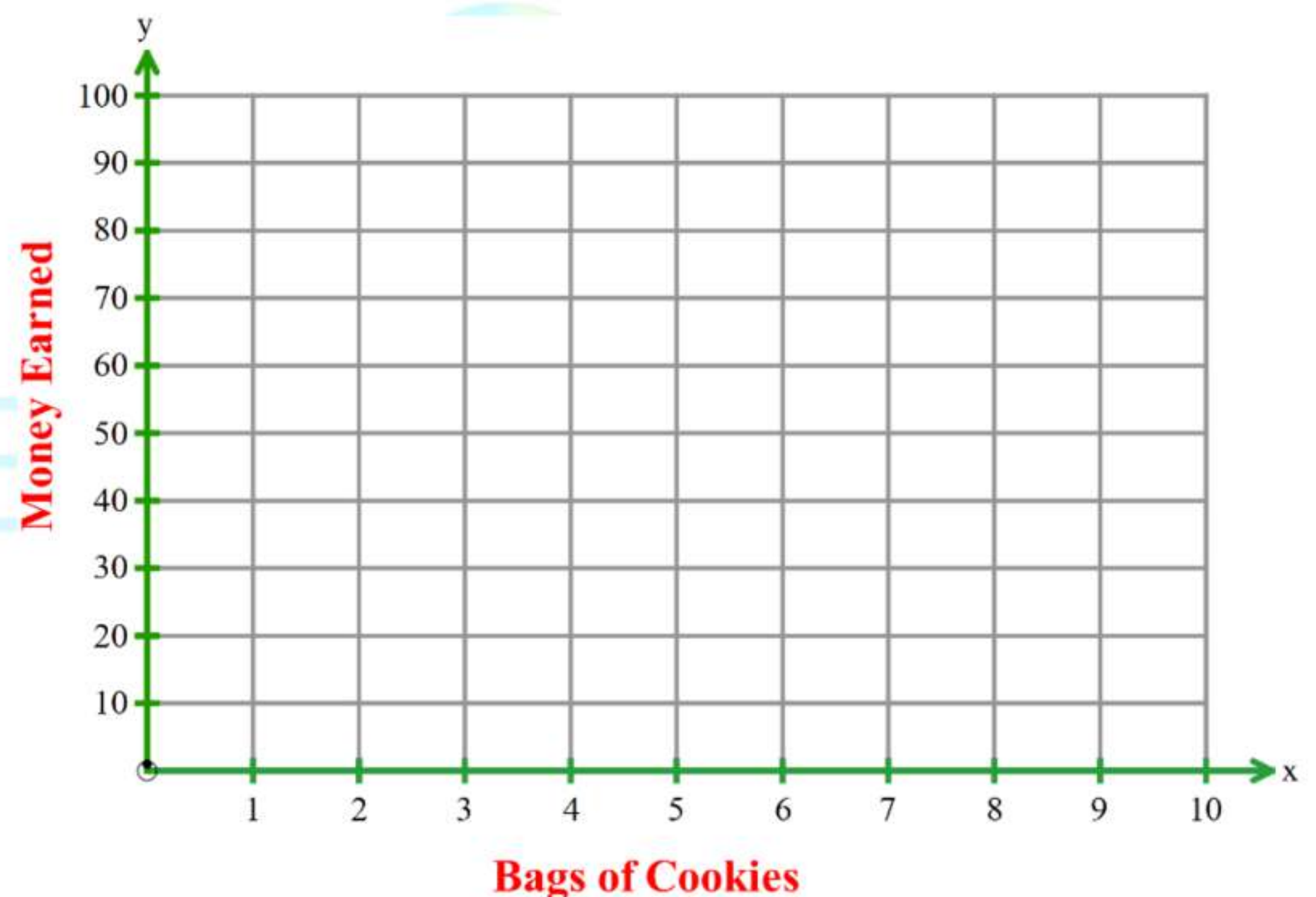
c. what is the length of $\overline{AB}$?

d. what is the length of $\overline{AC}$?



(8) Ola is selling bags of cookies in her neighborhood to make extra money to buy a new bike. She earns 5 L.E for each bag of cookies she sells. complete the table and then graph the points on the coordinate grid.

Bagas of cookies	Money Earned L.E.
2	
4	
6	
8	
10	

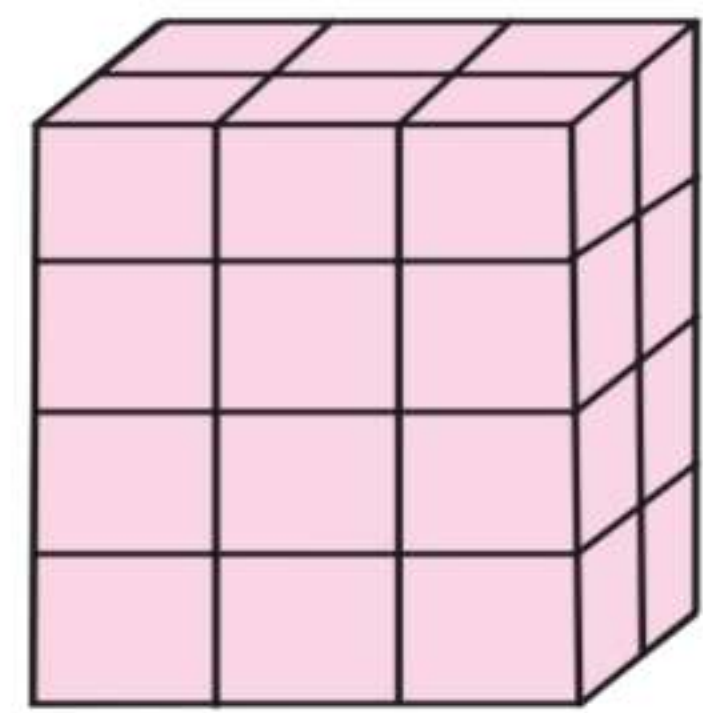


(9) In the opposite solid.

1- number of horizontal layers:

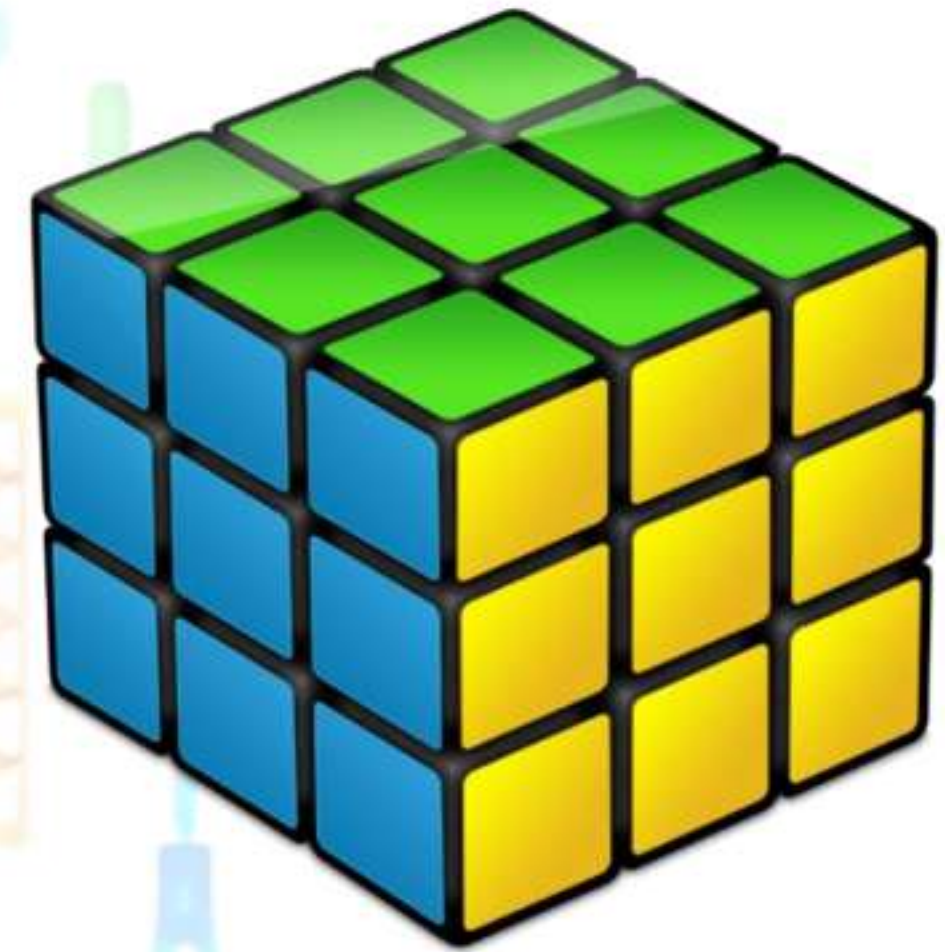
2- number of cubes in each horizontal layer:

3- volume = $\times$ = cm^3



(10) Find the volume of the opposite solid.

.....



(11) Find the volume of the opposite figure.

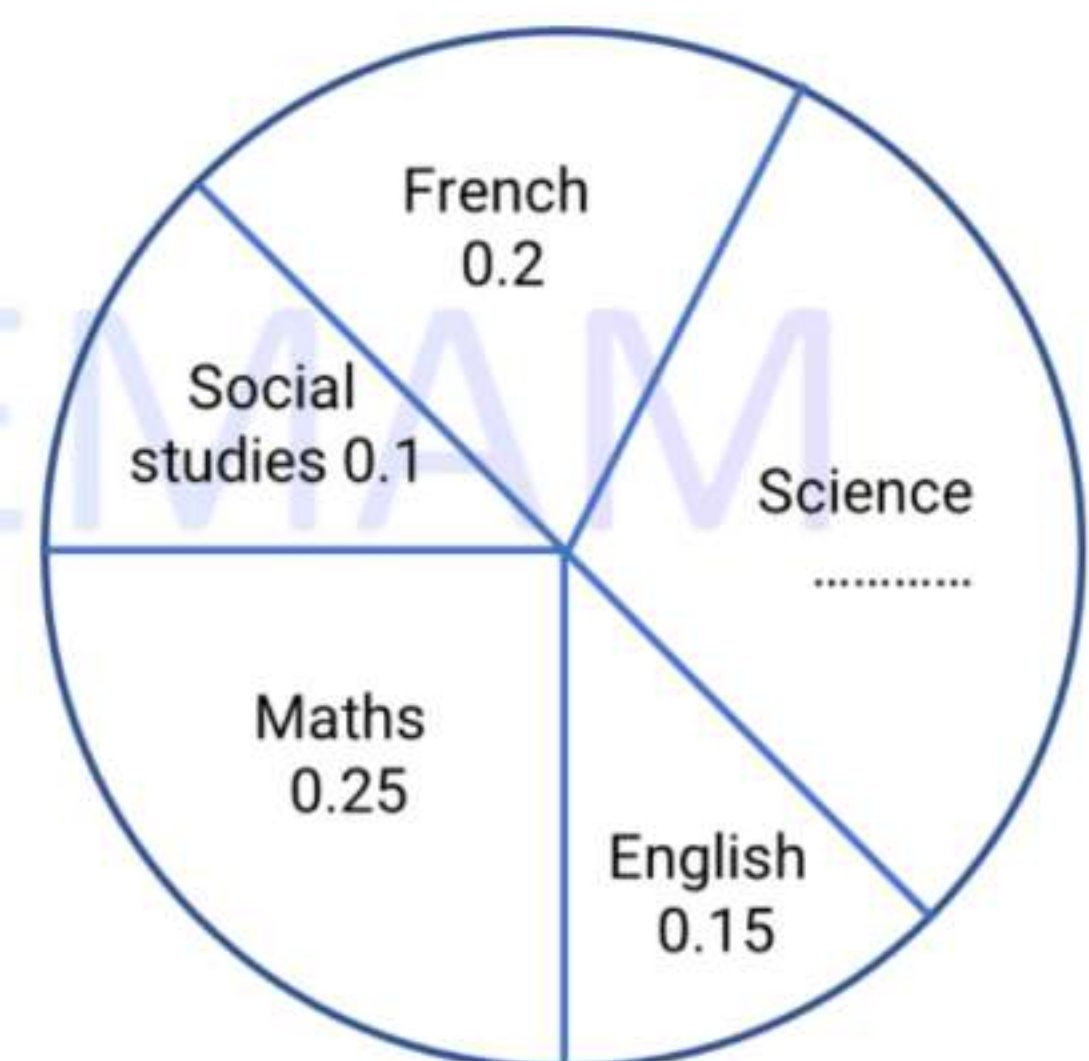
.....



(12) The opposite figure shows the percentages of sales of different types of the book. Complete:

1- the sales fraction of science books is

2- the least sales fraction is in

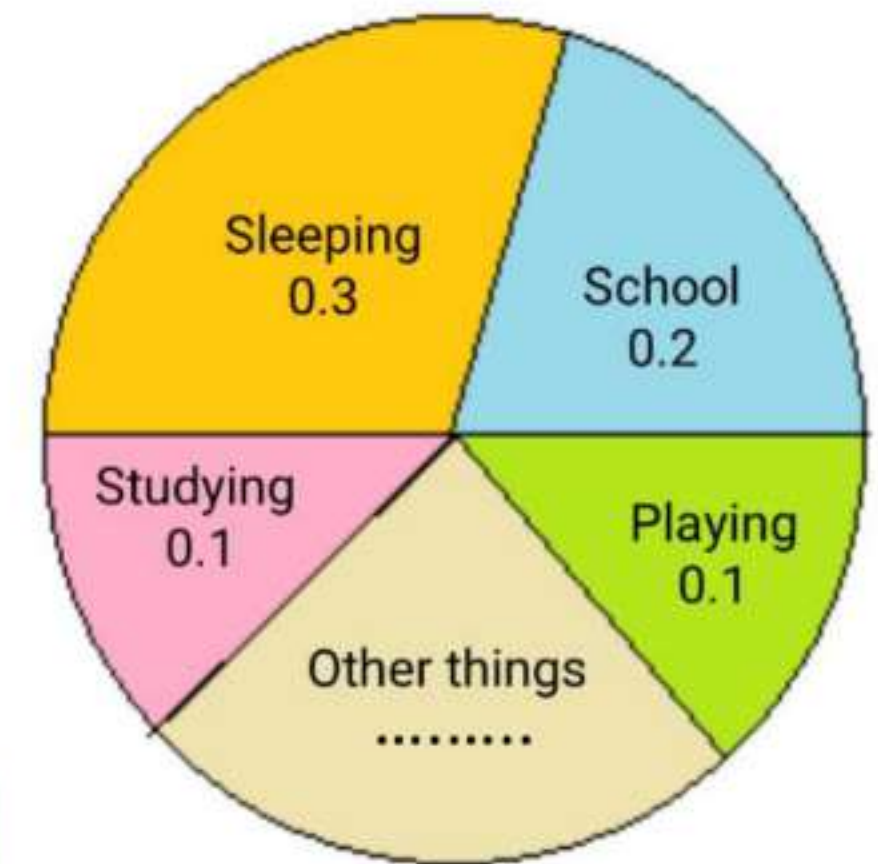


(13) The opposite figure represents the different activities which sally does during day.

Study the figure, then answer the following questions:

- a- find the decimal of the time that sally spends at school.
- b- find the decimal of the time that sally spends in sleeping.
- c- find the decimal of the time that sally spends in other things.
- d- complete:

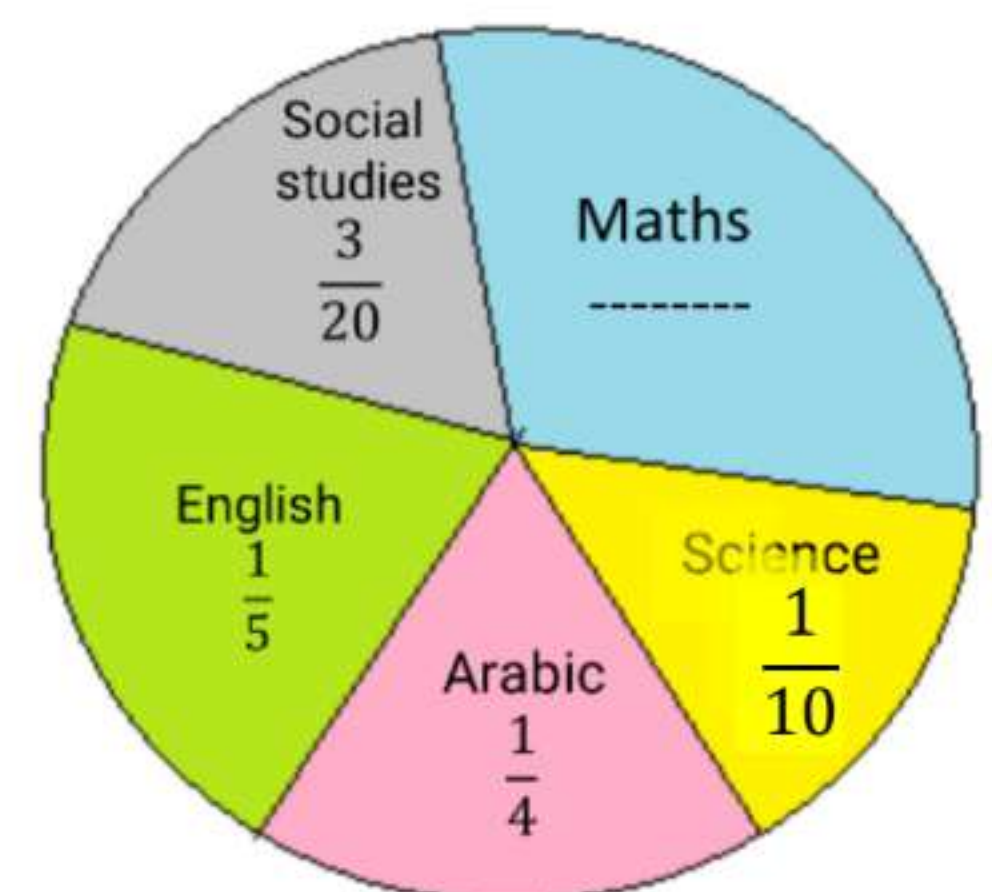
sally spends the same decimal of the time in..... and



(14) The following figure represents the fractions of the favorite subjects of 200 pupils in a school.

Answer the following questions:

- a- what is the decimal of the pupils who prefer science?
- b- what is the decimal of the pupils who prefer English?
- c- what is the fraction of the pupils who prefer mathematics?
- d- find the measure of the central angle of maths in degrees.
- e- how many pupils prefer studying English?



(15) Sara spends $\frac{1}{2}$ of her money to buy candy and $\frac{1}{3}$ of it to buy toys. What fraction of her money is left?

.....

.....

.....

(16) Soha likes chocolate. One day she bought a chocolate and ate $\frac{5}{9}$ of it in the morning and $\frac{1}{3}$ in the evening. How much part of the chocolate has she eaten?

.....

.....

.....

(17) Omnia purchases $\frac{8}{9}$ kg of fava beans. She uses $\frac{3}{4}$ kg of the fava beans to make falafel. How many kilograms of fava beans are left?

.....

.....

.....

(18) Ahmed ate $\frac{1}{3}$ of the cake and Hazem $\frac{3}{8}$ How much of the cake has been eaten and how much is left?

.....

.....

.....

(19) Mustafa is harvesting sugarcane. He can harvest $3\frac{3}{4}$ kilograms of sugarcane in 1 hour.

If he plans to work for $2\frac{1}{2}$ hours, How much sugarcane will he harvest?

.....

.....

.....

(20) A juice can is in the shape of cuboid, its base is square- shaped of side length 5 cm. and its height is 10 cm. calculate the volume of the juice can.

.....

.....

.....

(21) A cuboid whose volume 8000 cm^3 and the length of its base is 25 cm and the width of its base is 16 cm. find the height of the cuboid.

.....

.....

.....

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Choose the correct answer:

(01) The smallest like denominator of $\frac{2}{3}$ and $\frac{4}{5}$ is

(A) 10

(B) 15

(C) 20

(D) 25

(02) the LCM of denominator of $\frac{1}{2}$ and $\frac{3}{10}$ is

(A) 1

(B) 2

(C) 3

(D) 10

(03) $\frac{3}{5} + \frac{2}{5} = \dots\dots$

(A) $\frac{3}{5}$

(B) $\frac{2}{5}$

(C) 1

(D) 2

(04) The simplest form of $\frac{12}{18}$ is

(A) $\frac{2}{8}$

(B) $\frac{2}{3}$

(C) $\frac{18}{12}$

(D) 1

(05) The simplest form of $4\frac{2}{10}$ is

(A) $4\frac{3}{4}$

(B) $4\frac{1}{5}$

(C) $\frac{42}{10}$

(D) $2\frac{3}{4}$

(06) $\frac{16}{24} = \frac{\dots\dots}{3}$

(A) 2

(B) 3

(C) 4

(D) 8

(07) $\frac{1}{\dots\dots} = \frac{2}{8}$

(A) 2

(B) 3

(C) 4

(D) 8

(08) $\frac{2}{5} + \frac{3}{10} = \dots\dots\dots$

(A) $\frac{5}{15}$

(B) $\frac{7}{10}$

(C) $\frac{5}{10}$

(D) $\frac{1}{2}$

(09) $\frac{3}{4} + \frac{1}{2} = \dots\dots\dots$

(A) $\frac{4}{6}$

(B) $\frac{3}{8}$

(C) $\frac{1}{4}$

(D) $1\frac{1}{4}$

(10) $\frac{3}{4} - \frac{5}{8} = \dots\dots\dots$

(A) $\frac{1}{4}$

(B) $\frac{1}{8}$

(C) $\frac{3}{8}$

(D) $\frac{5}{8}$

(11) $\frac{2}{7} + \frac{2}{5} = \dots\dots\dots$

(A) $\frac{4}{35}$

(B) $\frac{4}{13}$

(C) $\frac{4}{12}$

(D) $\frac{24}{35}$

(12) $\frac{4}{5} - \frac{3}{4} = \dots\dots\dots$

(A) $\frac{7}{20}$

(B) $\frac{15}{20}$

(C) $\frac{1}{20}$

(D) $\frac{3}{20}$

(13) $1 - \frac{\dots\dots}{\dots\dots} = \frac{5}{8}$

(A) $\frac{5}{8}$

(B) $\frac{3}{8}$

(C) $\frac{6}{8}$

(D) $\frac{1}{8}$

(14) $\frac{6}{8} - \frac{\dots\dots}{\dots\dots} = \frac{1}{8}$

(A) $\frac{1}{8}$

(B) $\frac{4}{8}$

(C) $\frac{5}{8}$

(D) $\frac{6}{8}$

(15) $1 - \frac{1}{4} - \frac{1}{6} = \dots\dots\dots$

☒ (A) $\frac{7}{12}$

☐ (B) $\frac{1}{12}$

☐ (C) $\frac{5}{6}$

☐ (D) $\frac{3}{4}$

(16) $1 + \frac{1}{2} + \frac{3}{4} = \dots\dots\dots$

☐ (A) $\frac{5}{6}$

☒ (B) $2\frac{1}{4}$

☐ (C) $2\frac{9}{20}$

☐ (D) $2\frac{1}{2}$

(17) $4\frac{3}{7} + 1\frac{5}{7} = \dots\dots\dots$

☒ (A) $6\frac{1}{7}$

☐ (B) $3\frac{3}{8}$

☐ (C) $3\frac{1}{4}$

☐ (D) $2\frac{3}{8}$

(18) $5\frac{5}{8} - 3\frac{2}{8} = \dots\dots\dots$

☐ (A) $8\frac{7}{8}$

☐ (B) $3\frac{3}{8}$

☐ (C) $2\frac{1}{4}$

☒ (D) $2\frac{3}{8}$

(19) $5\frac{1}{2} + 3\frac{1}{5} = \dots\dots\dots$

☐ (A) $8\frac{2}{7}$

☒ (B) $8\frac{7}{10}$

☐ (C) $8\frac{1}{2}$

☐ (D) $8\frac{2}{5}$

(20) $1\frac{4}{5} - 1\frac{1}{20} = \dots\dots\dots$

☐ (A) $\frac{7}{20}$

☐ (B) $\frac{4}{3}$

☒ (C) $\frac{3}{4}$

☐ (D) $1\frac{1}{5}$

(21) $5\frac{2}{7} + k = 6\frac{5}{7}$ then $k = \dots\dots\dots$

☐ (A) $11\frac{6}{7}$

☒ (B) $1\frac{3}{7}$

☐ (C) $4\frac{3}{7}$

☐ (D) $5\frac{1}{7}$

(22) $a + 5\frac{5}{6} = 9\frac{1}{12}$ then $a = \dots\dots\dots$

(A) $4\frac{4}{12}$

(B) 4

(C) $3\frac{1}{4}$

(D) $4\frac{9}{12}$

(23) $K - 1\frac{1}{3} = 4\frac{2}{3}$ then $k = \dots\dots\dots$

(A) 6

(B) 5

(C) $3\frac{1}{5}$

(D) $5\frac{3}{6}$

(24) $2\frac{25}{40}$ is equivalent to $\dots\dots\dots$

(A) $2\frac{8}{5}$

(B) $2\frac{10}{40}$

(C) $2\frac{5}{8}$

(D) $1\frac{12}{20}$

(25) $\frac{19}{5}$ is equivalent to $\dots\dots\dots$

(A) $3\frac{3}{5}$

(B) $4\frac{1}{5}$

(C) $3\frac{2}{5}$

(D) $3\frac{4}{5}$

(26) $3\frac{4}{7}$ can regrouped as $\dots\dots\dots$

(A) 3

(B) 4

(C) $2\frac{11}{7}$

(D) $2\frac{4}{7}$

(27) $2\frac{1}{3}$ hours = $\dots\dots\dots$ minutes

(A) 150

(B) 120

(C) 130

(D) 140

(28) $\frac{3}{4}$ year = $\dots\dots\dots$ months

(A) 3

(B) 6

(C) 9

(D) 12

(29) $2\frac{1}{2}$ days = $\dots\dots\dots$ hours.

(A) 24

(B) 36

(C) 48

(D) 60

(30) $2\frac{1}{4} \times 4 = \dots\dots\dots$

(A) $8\frac{1}{4}$

(B) 9

(C) $9\frac{1}{2}$

(D) 10

(31) $\frac{3}{5} \times \frac{1}{2} = \dots\dots\dots$

(A) $\frac{3}{2}$

(B) $\frac{3}{5}$

(C) $\frac{6}{5}$

(D) $\frac{3}{10}$

(32) $2\frac{1}{3} \times \frac{3}{7} = \dots\dots\dots$

(A) $\frac{4}{4}$

(B) $\frac{3}{7}$

(C) $2\frac{1}{7}$

(D) $\frac{7}{3}$

(33) $2 \times 3\frac{1}{5} = \dots\dots\dots$

(A) $3\frac{1}{5}$

(B) $2\frac{1}{6}$

(C) $1\frac{2}{5}$

(D) $6\frac{2}{5}$

(34) $\frac{3}{7} \times 8 = \dots\dots\dots$

(A) $\frac{8}{3} \times 7$

(B) $\frac{6}{7} \times 4$

(C) $\frac{5}{7} \times 6$

(D) $\frac{24}{7} \times 7$

(35) $5\frac{1}{7} \times 3\frac{1}{4} = \frac{36}{7} \times \frac{\dots\dots}{4}$

(A) 15

(B) 8

(C) 13

(D) 1

(36) $4\frac{3}{7} \times 5 = (4 \times 5) + (\dots\dots\dots)$

(A) $4\frac{3}{7}$

(B) $\frac{12}{7}$

(C) $\frac{3}{7} \times 5$

(D) $\frac{7}{3} \times 5$

(37) $2\frac{5}{7} \times \frac{1}{5} = \left(2 \times \frac{1}{5}\right) + \left(\dots \times \frac{1}{5}\right)$

(A) 2

(B) $\frac{1}{5}$

(C) $\frac{5}{7}$

(D) $\frac{10}{7}$

(38) $\frac{3}{\dots} \times \frac{4}{5} = \frac{12}{25}$

(A) 3

(B) 4

(C) 5

(D) 6

(39) $\frac{1}{3} \times \frac{6}{7} \square \frac{4}{7} - \frac{1}{7}$

(A) >

(B) <

(C) =

(D) $\neq$

(40) What the product of $\frac{4}{5}$ and $\frac{3}{4}$?

(A) $\frac{3}{5}$

(B) $\frac{2}{5}$

(C) $\frac{1}{5}$

(D) 0

(41) $\frac{4}{5} \times \dots = 1$

(A) $\frac{1}{5}$

(B) $\frac{5}{4}$

(C) $\frac{3}{5}$

(D) $\frac{4}{5}$

(42) $1\frac{5}{6} \times \dots = 1$

(A) 5

(B) $\frac{5}{4}$

(C) $\frac{5}{6}$

(D) $\frac{6}{11}$

(43) $4\frac{1}{2} \times 2\frac{2}{3} = \dots$

(A) 12

(B) $8\frac{1}{3}$

(C) $5\frac{2}{3}$

(D) $\frac{17}{6}$

(44) $1\frac{3}{5} \times \frac{2}{3} = \frac{\dots}{5} \times \frac{2}{3}$

(A) 6

(B) 7

(C) 8

(D) 9

(45) $15 \div 4 = \dots$

(A) $3\frac{1}{4}$

(B) $2\frac{2}{4}$

(C) $3\frac{3}{4}$

(D) 1

(46) $7 \div 3 = \dots\dots\dots$

(A) $2\frac{1}{3}$

(B) $2\frac{2}{3}$

(C) $3\frac{1}{3}$

(D) 5

(47) $6\frac{1}{2} = \dots \div 2$

(A) 11

(B) 12

(C) 13

(D) 14

(48) $12 \div 8 = 1\frac{1}{\dots\dots\dots}$

(A) 2

(B) 3

(C) 4

(D) 5

(49) $14 \div 5 = \dots + 2$

(A) $\frac{2}{5}$

(B) $\frac{3}{5}$

(C) $\frac{4}{5}$

(D) $\frac{1}{5}$

(50) $3 \div \frac{1}{5} \square 8$

(A) $>$

(B) $<$

(C) $=$

(D) $\neq$

(51) $4 \div \frac{1}{5} = \dots\dots\dots$

(A) $\frac{4}{5}$

(B) $\frac{1}{20}$

(C) 20

(D) $\frac{5}{4}$

(52) $5 \div \frac{1}{2} = \dots\dots\dots$

(A) 10

(B) $\frac{1}{20}$

(C) 10

(D) 25

(53) $\frac{1}{2} \div 6 = \dots\dots\dots$

(A) $\frac{1}{6}$

(B) $\frac{1}{2}$

(C) $\frac{1}{12}$

(D) $\frac{1}{5}$

(54) If $\frac{1}{2} \div m = \frac{1}{16}$, then $m = \dots$

☒ (A) 8

☐ (B) $\frac{1}{8}$

☐ (C) 14

☐ (D) $\frac{1}{14}$

(55) If $\frac{1}{5} \div y = \frac{1}{20}$, then $y = \dots$

☐ (A) 3

☐ (B) $\frac{1}{3}$

☒ (C) 4

☐ (D) $\frac{1}{4}$

(56) $7 \div a = 35$, then $a = \dots$

☐ (A) 5

☒ (B) $\frac{1}{5}$

☐ (C) 28

☐ (D) $\frac{1}{7}$

(57) $8 \div z = 24$, then $z = \dots$

☐ (A) 3

☒ (B) $\frac{1}{3}$

☐ (C) 32

☐ (D) $1\frac{1}{3}$

(58) $\frac{1}{7} \times d = \frac{1}{21}$, then $d = \dots$

☐ (A) $\frac{1}{7}$

☐ (B) $\frac{1}{21}$

☒ (C) $\frac{1}{3}$

☐ (D) $\frac{1}{4}$

(59) $\frac{1}{3} \times a = \frac{1}{15}$, then $a = \dots$

☐ (A) $\frac{1}{3}$

☐ (B) $\frac{1}{2}$

☒ (C) $\frac{1}{5}$

☐ (D) $\frac{1}{4}$

(60) $6 \times e = 18$, then $a = \dots$

☐ (A) 1

☐ (B) 2

☒ (C) 3

☐ (D) 4

(61) How many fourths are there in 5?

☐ (A) 10

☐ (B) 15

☒ (C) 20

☐ (D) 25

(62) The number of thirds in one?

☐ (A) 1

☐ (B) 2

☒ (C) 3

☐ (D) 4

(63) If the side lengths of a triangle are different, then the triangle is called triangle.

- (A) equilateral (B) isosceles (C) scalene

(64) If the side lengths of a triangle are equals, then the triangle is called triangle.

- (A) equilateral (B) isosceles (C) scalene

(65) The triangle whose side lengths are 4 cm, 4 cm and 4 cm called triangle.

- (A) equilateral (B) isosceles (C) scalene

(66) The triangle whose side lengths are 7 cm, 4 cm and 7 cm called triangle.

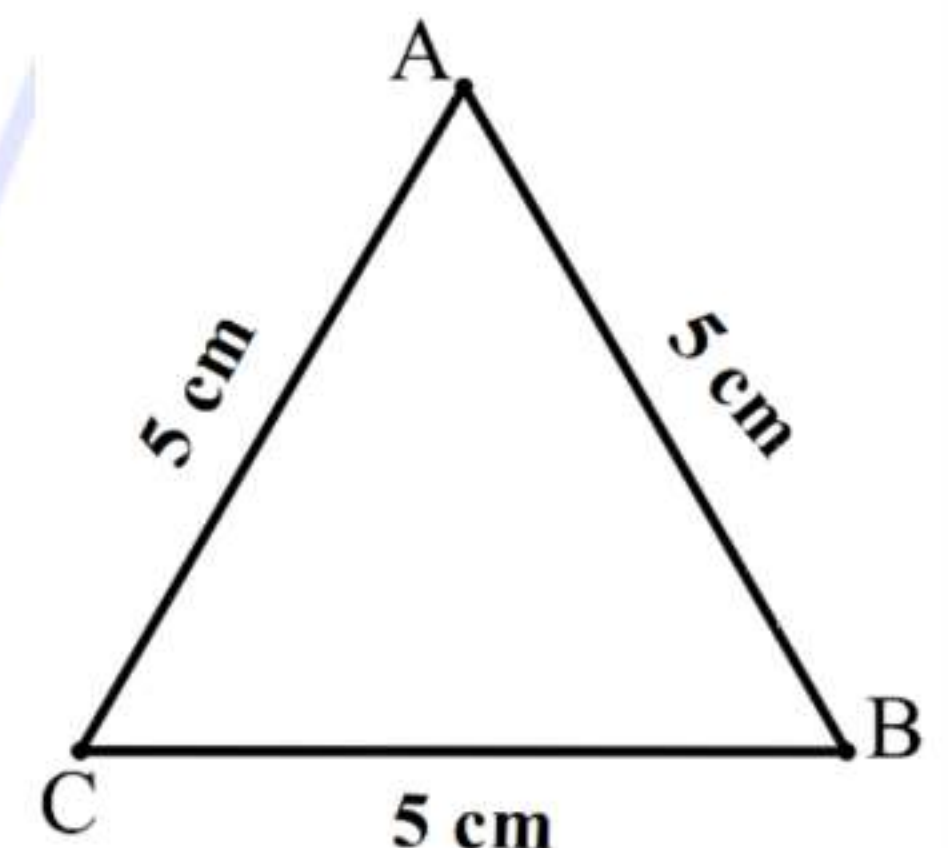
- (A) equilateral (B) isosceles (C) scalene

(67) The triangle whose side lengths are 3cm, 4cm and 5cm called triangle.

- (A) equilateral (B) isosceles (C) scalene

(68) The opposite triangle is

- (A) equilateral (B) isosceles (C) scalene



(69) The triangle whose side lengths are 4 cm, 3 cm and cm is called scalene triangle.

(A) 4

(B) 3

(C) 7

(70) The triangle whose side lengths are is equilateral triangle.

(A) 7cm , 5cm, 7cm

(B) 5cm , 5cm, 5cm

(C) 5cm , 6cm, 7cm

(D) 3cm , 4cm, 4cm

(71) 50° , 70° and 60° are the measures of the angles of triangle.

(A) an obtuse – angled

(B) a right – angled

(C) an acute – angled

(72) 30° , 60° and 90° are the measures of the angles of triangle.

(A) an obtuse – angled

(B) a right – angled

(C) an acute – angled

(73) 40° , 20° and 120° are the measures of the angles of triangle.

(A) an obtuse – angled

(B) a right – angled

(C) an acute – angled

(74) The triangle whose measures of angles are 40° , 50° and is right-angled triangle.

(A) 50°

(B) 40°

(C) 90°

(D) 180°

(75) Area of rectangle =

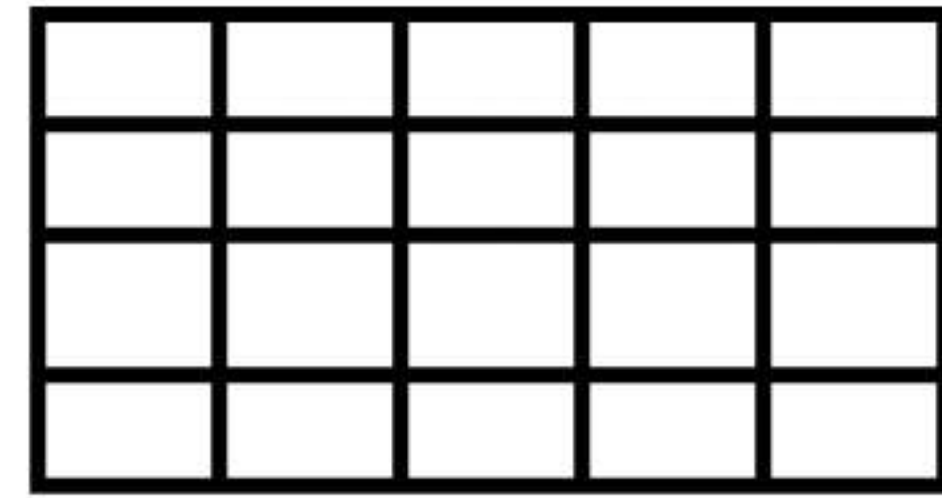
(A) $l + w$

(B) $l \times w$

(C) $\frac{l}{w}$

(D) $(l + w) \times 2$

(76) The area of the opposite rectangle = Square units.



- (A) 15 (B) 18 (C) 20 (D) 24

(77) The area of rectangle of dimensions $3\frac{1}{5}$ cm and $2\frac{1}{2}$ cm is

- (A) 8 m^2 (B) 8 cm^2 (C) 8 km^2 (D) 8 cm

(78) The area of rectangle of length $\frac{2}{3}$ cm and width $\frac{1}{4}$ cm is cm^2 .

- (A) $\frac{11}{12}$ (B) $\frac{1}{6}$ (C) $\frac{5}{12}$ (D) $\frac{3}{8}$

(79) Area of opposite rectangle = cm^2 .

- (A) $5\frac{3}{4}$ (B) $5\frac{1}{4}$ (C) $4\frac{13}{20}$ (D) $3\frac{2}{5}$

$3\frac{3}{4}\text{ cm}$

$1\frac{2}{5}\text{ cm}$

(80) The point (0, 3) lies on

- (A) x – axis (B) y – axis (C) origin point

(81) The point (5, 0) lies on

- (A) x – axis (B) y – axis (C) origin point

(82) Which of the following points located on x-axis?

- (A) (3, 0) (B) (0, 5) (C) (3, 7) (D) (10, 2)

(83) Which of the following points located on y-axis?

- (A) (3, 0) (B) (0, 5) (C) (3, 7) (D) (10, 2)

(84) The origin point is

- (A) (1, 0) (B) (0, 1) (C) (0, 0) (D) (1, 1)

(85) The x-coordinate of the origin point is

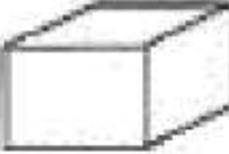
- (A) 0 (B) 1 (C) 2 (D) 3

(86) The y-coordinate of the origin point is

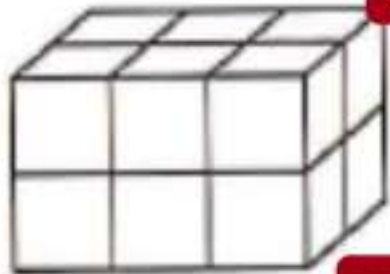
- (A) 0 (B) 1 (C) 2 (D) 3

(87) The y-coordinate in the ordered pair (2, 5) is

- (A) 5 (B) 1 (C) 2 (D) 3

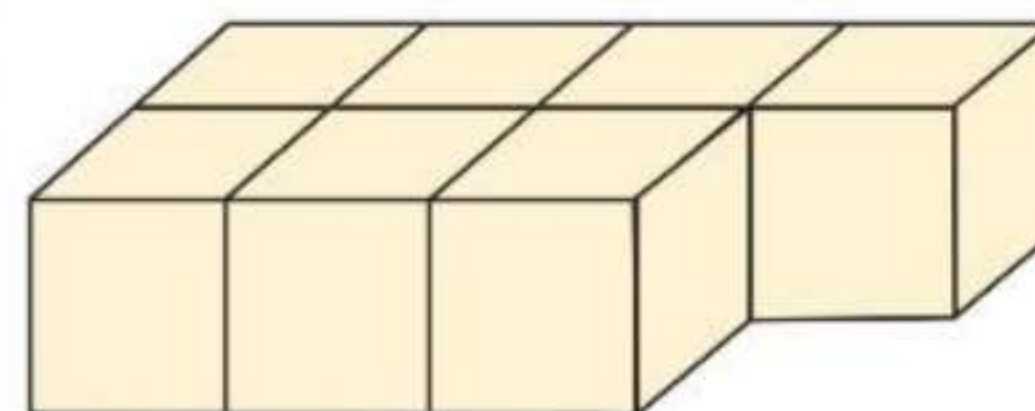
(88)  has 

- (A) 4 (B) 8 (C) 10 (D) 2

(89) Volume of  is cube units.

- (A) 8 (B) 12 (C) 24 (D) 10

(90) The volume of the opposite figure
= Cubic units



- (A) 4 (B) 5 (C) 7 (D) 6

(91) The volume of the opposite
solid = cm^3



- (A) 17 (B) 170 (C) 120 (D) 140

(92) A cuboid has 3 horizontal layers and 6 cube units in each layer, then its volume = cube units.

(A) 9

(B) 18

(C) 24

(D) 12

(93) A cuboid has 2 vertical slices each slice has 4 cm^2 , then its volume = cm^3

(A) 6

(B) 4

(C) 12

(D) 8

(94) A box is filled by 4 horizontal layers, each layer contains 8 cube units, then its capacity = cube unit.

(A) 4

(B) 12

(C) 32

(D) 24

(95) Volume of cuboid = 60 cm^3 and base area = 20 cm^2 , then its height = cm

(A) 1200

(B) 80

(C) 3

(D) 40

(96) The measure of the central angle of the circular sector that represents $\frac{1}{12}$ the circle is $^\circ$

(A) 30°

(B) 60°

(C) 90°

(D) 120°

(97) The measure of the central angle of the circular sector that represents $\frac{1}{4}$ the circle is $^\circ$

(A) 30

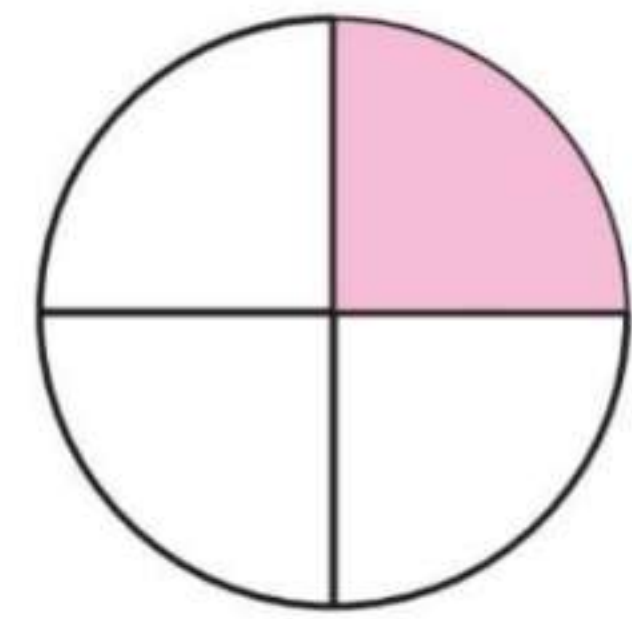
(B) 45

(C) 60

(D) 90

(98) The circular degrees that match.

the fraction of the circle that is shaded = °



(A) 60

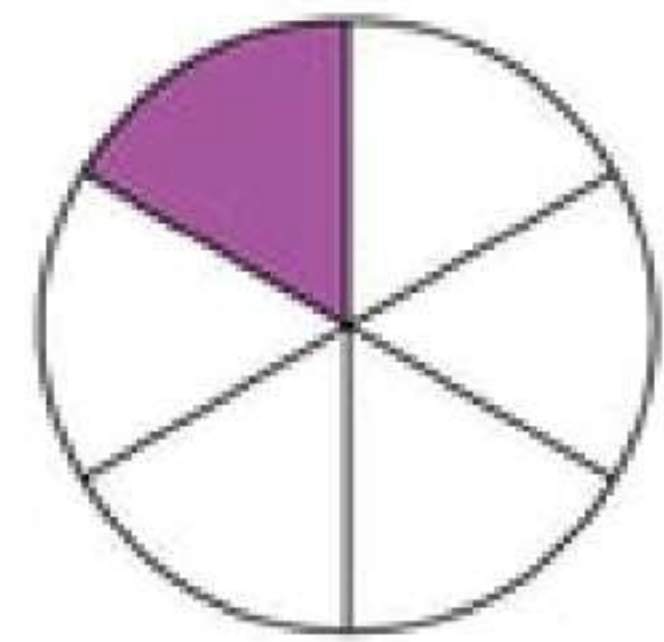
(B) 90

(C) 120

(D) 180

(99) The circular degrees that match.

the fraction of the circle that is shaded = °



(A) 30

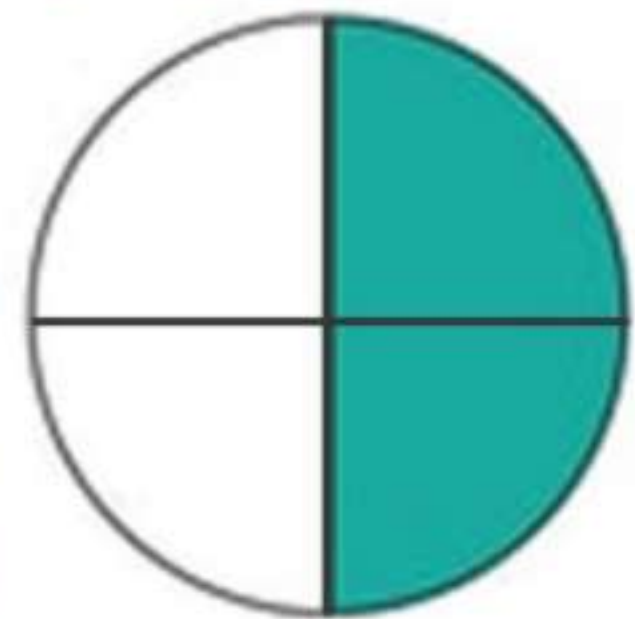
(B) 45

(C) 60

(D) 90

(100) The circular degrees that match

the fraction of the circle that is shaded = °



(A) 90

(B) 120

(C) 180

(D) 270

ENG. ESLAM EMAM

2) Complete:

(1) The LCM of denominators of $\frac{3}{4}$ and $\frac{3}{5}$ is ...~~20~~...

(2) The LCM of denominators of $\frac{2}{20}$ and $\frac{1}{5}$ is ...~~20~~...

(3) Simplest form of $\frac{15}{27}$ is ... ~~$\frac{5}{9}$~~ ...

(4) Simplest form of $\frac{6}{12}$ is ... ~~$\frac{1}{2}$~~ ...

(5) The simplest form of $\frac{24}{18}$ is $\frac{a}{3}$, then a =~~4~~....

(6) $\frac{1}{\text{..3..}} = \frac{2}{6}$

(7) $\frac{8}{32} = \frac{4}{\text{..16..}}$

(8) $\frac{7}{12} - \frac{3}{12} = \text{..}\frac{4}{12}\text{..} = \frac{1}{3}$

(9) $7\frac{2}{7} + 1\frac{3}{7} = \text{..}8\frac{5}{7}\text{..}$

(10) $\frac{1}{2} + \frac{2}{5} = \text{..}\frac{9}{10}\text{..}$

(11) $5\frac{1}{2} - \frac{3}{4} = \text{..}4\frac{3}{4}\text{..}$

(12) $\frac{1}{6} + \frac{5}{8} = \text{..}\frac{19}{24}\text{..}$

(13) If $X + 2\frac{1}{8} = 5\frac{3}{8}$, then X = ...~~3~~.. ~~$\frac{1}{4}$~~ ...

$$(14) 9\frac{1}{4} - 5\frac{1}{2} = 3\frac{3}{4}$$

$$(15) \frac{1}{5} \text{ minute} = 12 \text{ seconds.}$$

$$(16) 2\frac{1}{4} \text{ years} = 27 \text{ months.}$$

$$(17) 7\frac{1}{10} \text{ minutes} = 7 \text{ minutes and } 6 \text{ Seconds.}$$

$$(18) 6\frac{1}{2} \text{ years} = 6 \text{ years and } 6 \text{ months.}$$

$$(19) 4 \times 6\frac{2}{3} = (6 \times 4) + \left(\frac{2}{3} \times 4\right)$$

$$(20) 2\frac{1}{3} \times 6 = (2 \times 6) + \left(\frac{1}{3} \times 6\right)$$

$$(21) 3\frac{2}{3} \times \frac{1}{4} = \left(\frac{1}{4} \times 3\right) + \left(\frac{2}{3} \times \frac{1}{4}\right)$$

$$(22) \frac{3}{5} \times \frac{1}{2} = \frac{3}{10}$$

$$(23) \frac{2}{9} \times \frac{1}{2} = \frac{1}{9}$$

$$(24) 1\frac{1}{8} \times 2 = 2\frac{1}{4}$$

$$(25) 2\frac{2}{5} \times \frac{1}{3} = \frac{4}{5}$$

$$(26) 3\frac{1}{5} = \frac{16}{5}$$

$$(27) \frac{2}{5} \times \frac{5}{2} = 1$$

(28) $4 \frac{1}{2} \times \frac{2}{9} = 1$

(29) $7 \div 2 = \dots \frac{7}{2} = 3 \frac{1}{2}$

(30) $\frac{1}{4} \div 3 = \dots \frac{1}{12} \dots$

(31) $4 \div \frac{1}{2} = \dots 8 \dots$

(32) $\frac{1}{3} \div a = \frac{1}{6}$, $a = \dots 2 \dots$

(33) $\frac{1}{4} \div c = \frac{1}{24}$, $c = \dots 6 \dots$

(34) $2 \times d = 8$, $d = \dots 4 \dots$

(35) $5 \times e = 25$, $e = \dots 5 \dots$

(36) $\frac{1}{5} \times f = \frac{1}{15}$, $f = \dots \frac{1}{3} \dots$

(37) $\frac{1}{8} \times g = \frac{1}{24}$, $g = \dots \frac{1}{3} \dots$

(38) The shape  is called *Line Segment*

(39) The shape  is called *Ray*

(40) The shape  is called *Line*

(41) The triangle has *3* sides and *3* angles.

(42) The measure of a right angle is *equal* 90°

(43) The measure of an obtuse angle is *more than* 90°

- (44) The measure of an acute angle is *Less than* 90°
- (45) The angle of measure more than 90° is *Obtuse*.... angle
- (46) The angle of measure less than 90° is ...*acute*..... angle.
- (47) Any triangle has at least*2*..... Acute angles.
- (48) 20° , 70° and 90° are the measures of the angles of *right angled* triangle.
- (49) 40° , 60° and 80° are the measures of the angles of *acute angled* triangle.
- (50) 30° , 30° and 120° are the measures of the angles of *obtuse angled* triangle.
- (51) *acute angled* Triangle has 3 acute angles.
- (52) *Equilateral* Triangle has 3 equal sides.
- (53) *Scalene* Triangle has 3 different sides.
- (54) The equilateral triangle is a triangle whose sides are *Equal in Length*
- (55) The triangle with equal sides is called *Equilateral* triangle.
- (56) The triangle ABC is an equilateral triangle where $AB = 5$ cm,
then $AC = \dots$ *5* $\dots$ cm and $BC = \dots$ *5* $\dots$ cm
- (57) In the equilateral triangle LMN, $LM = MN = 5$ cm, then $LN = \dots$ *5* $\dots$ Cm
- (58) The triangle of sides 7cm, 5cm, 8cm is called *Scalene*.... triangle.
- (59) The triangle of sides 5cm, 5cm, 4cm is called *Isosceles*.... triangle.
- (60) The triangle of sides 4cm, 4cm, 4cm is called *equilateral*.... triangle.

- (61) In $\triangle ABC$, $AB = 5\text{cm}$, $BC = 7\text{cm}$ and $AC = 3\text{cm}$, then the triangle is **Scalene**.
- (62) In $\triangle ABC$, $AB = BC = 7\text{cm}$ and $AC = 4\text{cm}$, then the triangle is **Isosceles**.
- (63) Area of rectangle = **length** $\times$ **width**.
- (64) Area of rectangle = **length** $\times$ width.
- (65) Area of rectangle of dimensions $\frac{1}{3}$ units and $\frac{1}{4}$ units is **$\frac{1}{12}$ Square units**.
- (66) The area of rectangle of dimensions $2\frac{1}{2}$ m and $\frac{1}{5}$ m is **$\frac{1}{2}$ m²**.
- (67) In the ordered pair (5,7) the x-coordinate is **5**.
- (68) In the ordered pair (1,2) the y-coordinate is **2**.
- (69) The x-coordinate of (2,5) is **2**.
- (70) The y-coordinate of (2,5) is **5**.
- (71) The origin point is **(0, 0)**.
- (72) The x-coordinate of the origin point is **Zero**.
- (73) The y-coordinate of the origin point is **Zero**.
- (74) **Y-axis** is vertical axes in the coordinate plane.
- (75) **X-axis** is horizontal axes in the coordinate plane.
- (76) The point (0,7) lies on **Y**-axis.
- (77) The point (3,0) lies on **X**-axis.

(78) Volume of cuboid = *Length* $\times$ *width* $\times$ *height*.

(79) Volume of cuboid = *Base Area* $\times$ height.

(80) *Volume* = base area $\times$ height.

(81) volume $\div$ base area = *height*.

(82) volume $\div$ height = *base Area*.

(83) Height of cuboid = *Volume* $\div$ *Base Area*.

(84) The volume of cuboid of dimensions 2m, 5m and 6m is *60* m^3 .

(85) A rectangular prism of length 7cm, width 5 cm and height 2cm, then its volume = *70* Cm^3 .

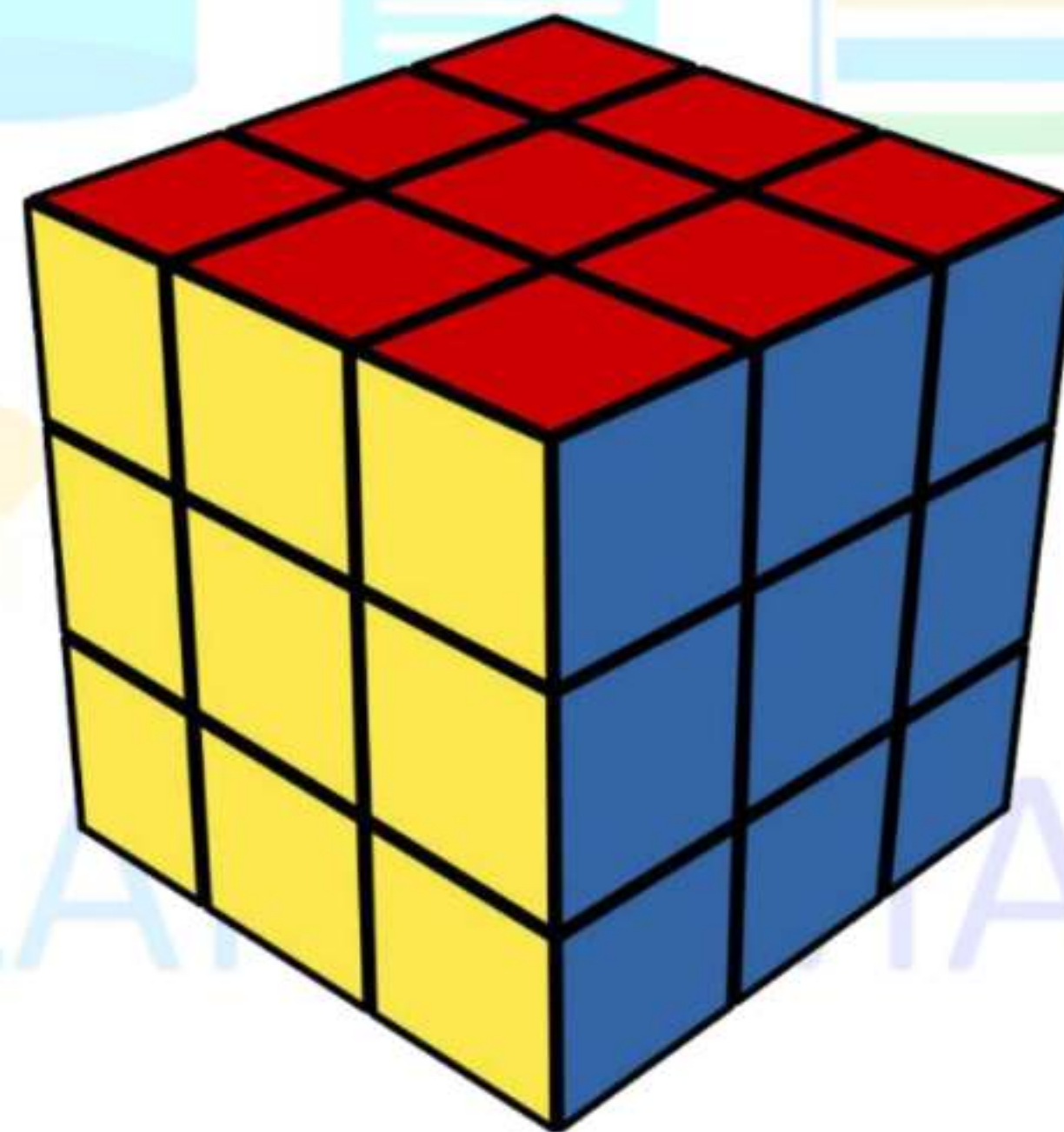
(86) A cuboid whose base area 15 cm^2 and height 10 cm, then its volume = *150* Cm^3 .

(87) Length: *3* cm

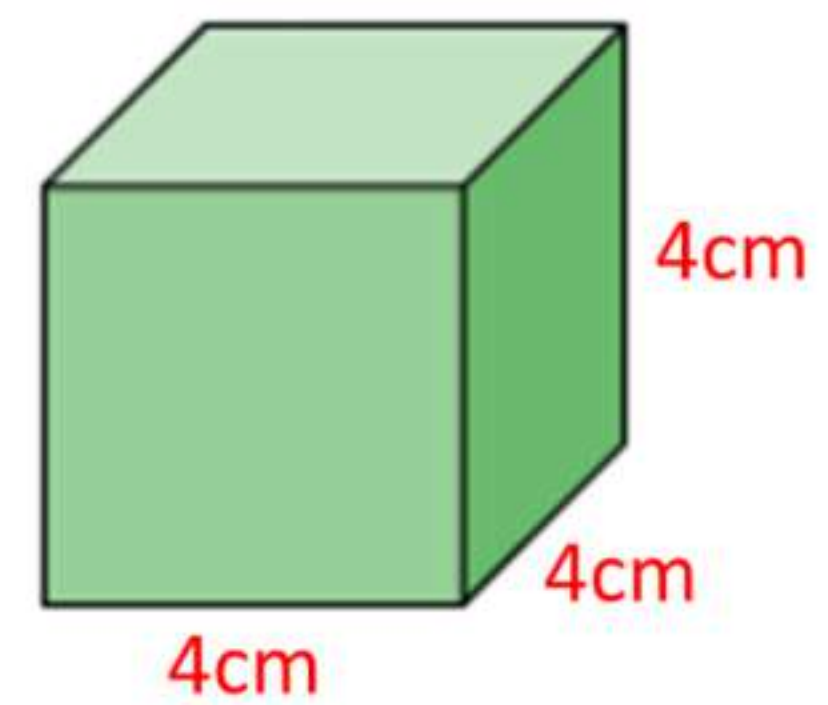
width: *3* cm

height: *3* cm

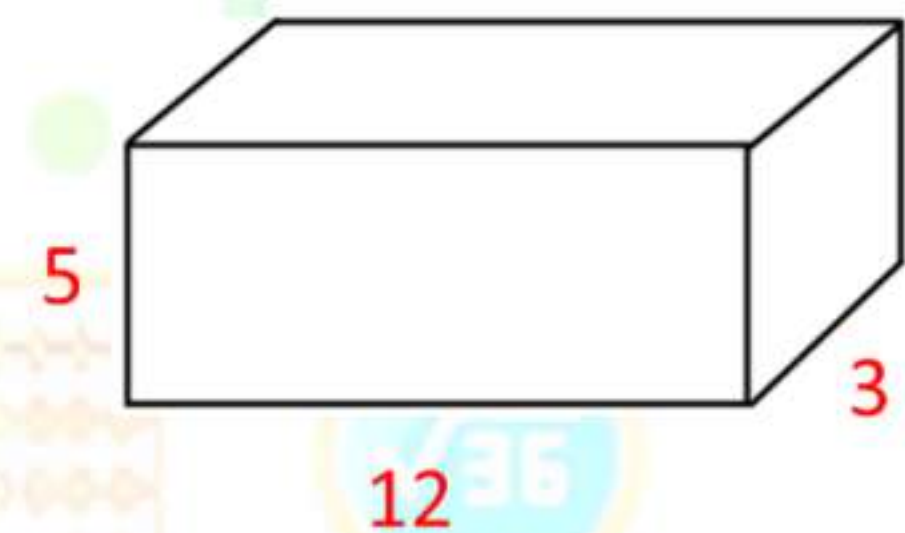
volume: *27* cm^3



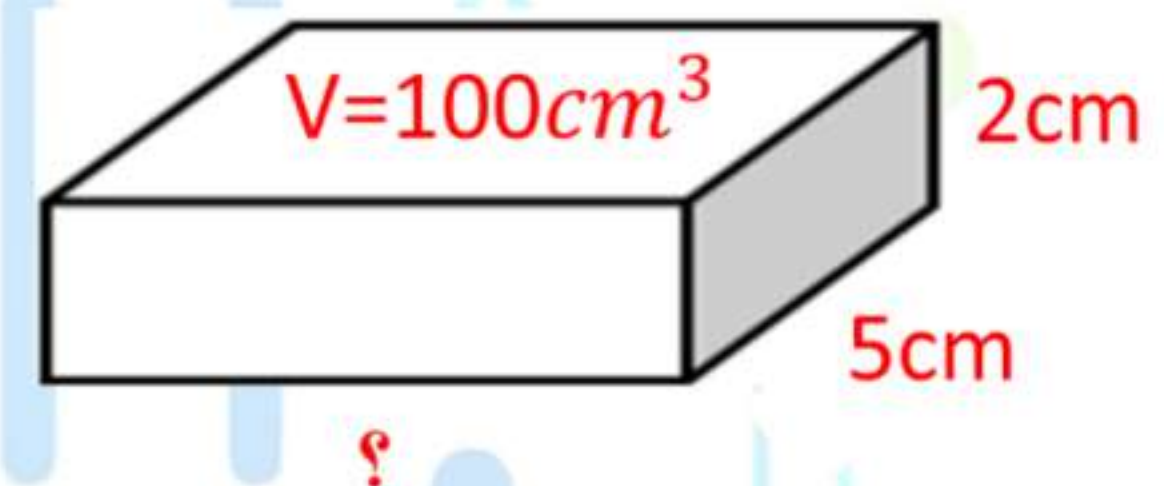
(88) Volume = ...**64**... m^3



(89) The volume of the opposite figure = ...**180**... cm^3



(90) The missing dimension in the opposite cuboid is ...**10**... cm



(91) A cuboid whose volume 300 cm^3 and base area 30 cm^2 , then its height = ...**10**... cm

(92) A cuboid whose volume 36 cm^3 , length 4 cm and width 3 cm, then its height = ...**3**... cm

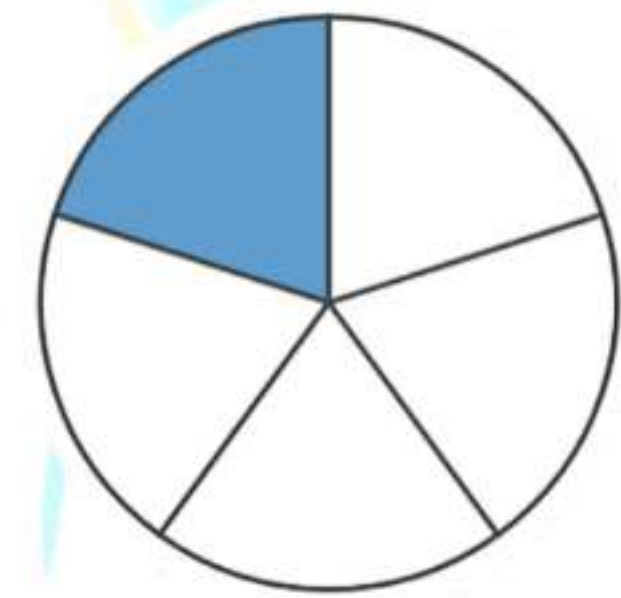
(93) A cuboid whose volume 24 cm^3 and its height 3 cm, then its base area = ...**8**... cm^2

(94) A cuboid whose volume 40 cm^3 and its height 4 cm , its width 2 cm , then its length = ...5... cm

(95) A cuboid has 2 horizontal layers and 5 cube units in each layer, then its volume = ..10.. cube units.

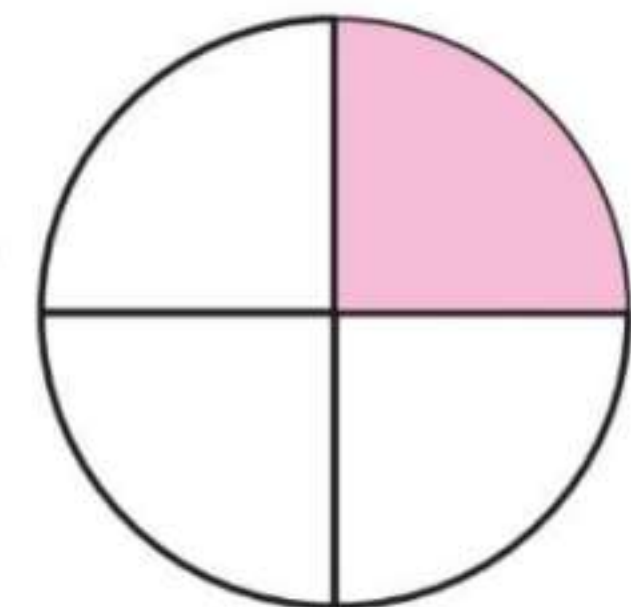
(96) A cuboid has 4 vertical slices each slice has 6 cm^2 , then its volume = ..24.. cm^3

(97) The fraction which represents the shaded part is ... $\frac{1}{5}$...



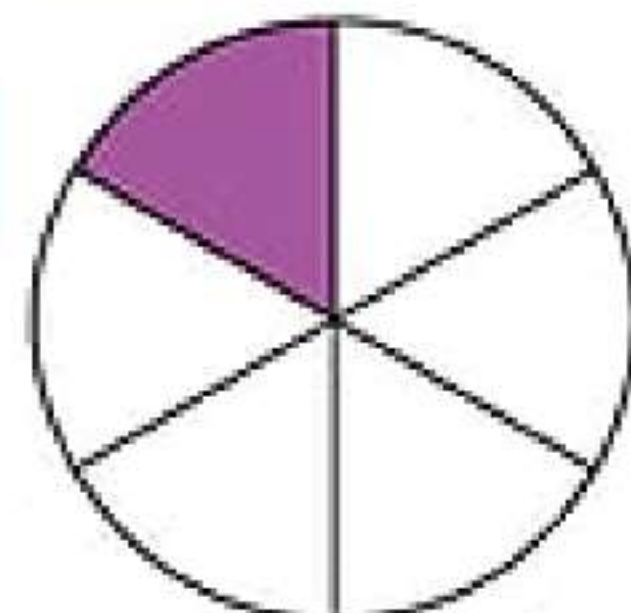
(98) The circular degrees that match

the fraction of the circle that is shaded =90...



(99) The circular degrees that match

the fraction of the circle that is shaded =60...



(100) The measure of the central angle which represents $\frac{1}{4}$ of the circle is ...90...

Answer the following questions:

(1) $2\frac{2}{5} \times \frac{2}{3} = \dots$

using distributive property

$$\left(\frac{2}{3} \times 2\right) + \left(\frac{2}{3} \times \frac{2}{5}\right) = \dots$$

$$\frac{4}{3} + \frac{4}{15} = \frac{20}{15} + \frac{4}{15} = \frac{24}{15} = \frac{8}{5}$$

(2) $2\frac{1}{4} \times 2\frac{2}{3} = \dots$

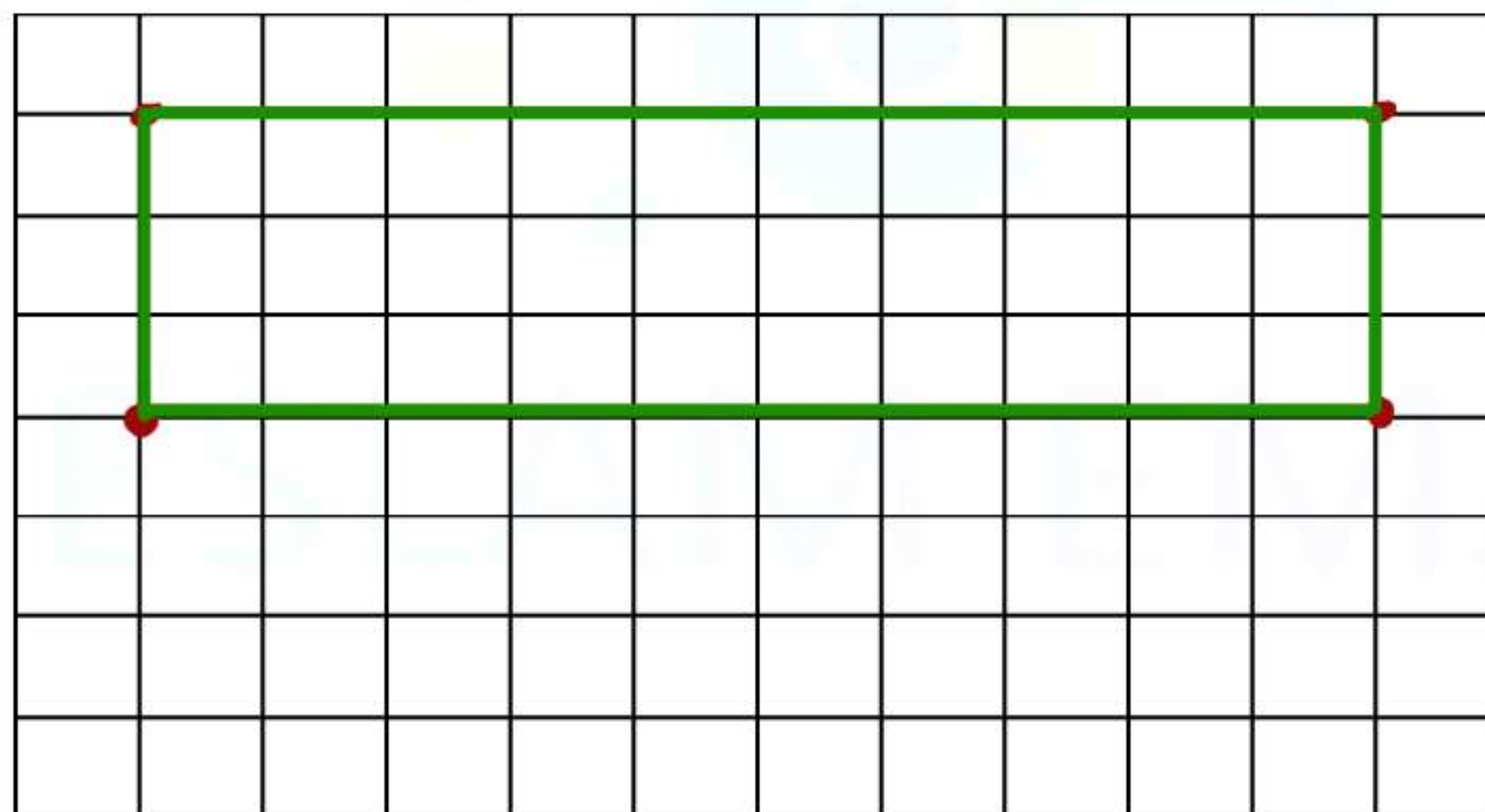
using improper fraction

$$\frac{8}{5} = 1\frac{3}{5}$$

$$2\frac{1}{4} \times 2\frac{2}{3} = 6$$

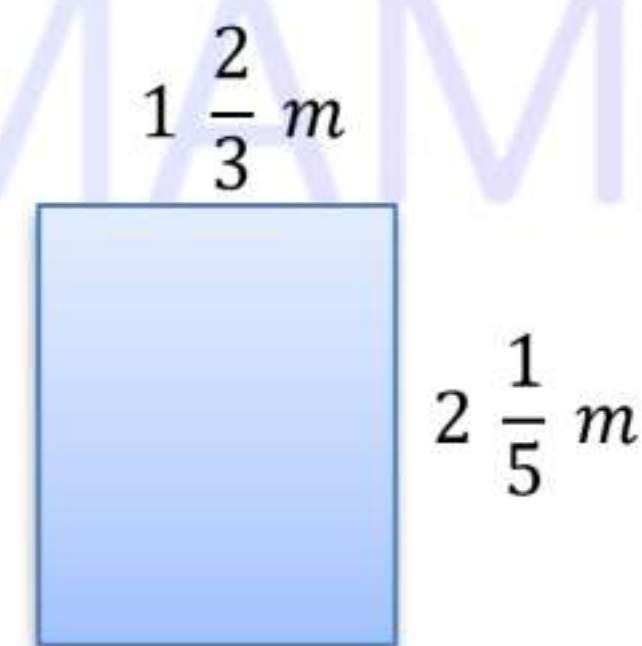
(3) Draw a rectangle with a length of 10 units and width 3 units, thenfind its area.

$$Area = L \times W = 10 \times 3 = 30 \text{ square units}$$

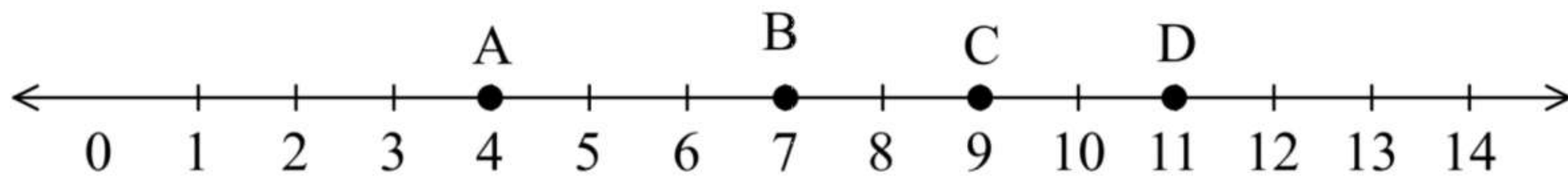
(4) What is the area of the rectangle shown?

$$Area = 1\frac{2}{3} \times 2\frac{1}{5} = \dots$$

$$= \frac{5}{3} \times \frac{11}{5} = \frac{11}{3} = 3\frac{2}{3} \text{ m}^2$$



(5) Use the number line to answer the questions



a) What is the value of A?

4

b) What is the value of B?

7

c) What is the value of C?

9

d) What is the value of D?

11

e) What is the distance between A and C?

$$9 - 4 = 5 \text{ units}$$

f) What is the distance between B and C?

$$9 - 7 = 2 \text{ units}$$

g) What is the distance between A and D?

$$11 - 4 = 7 \text{ units}$$

(6) In the following grid, observe and answer.

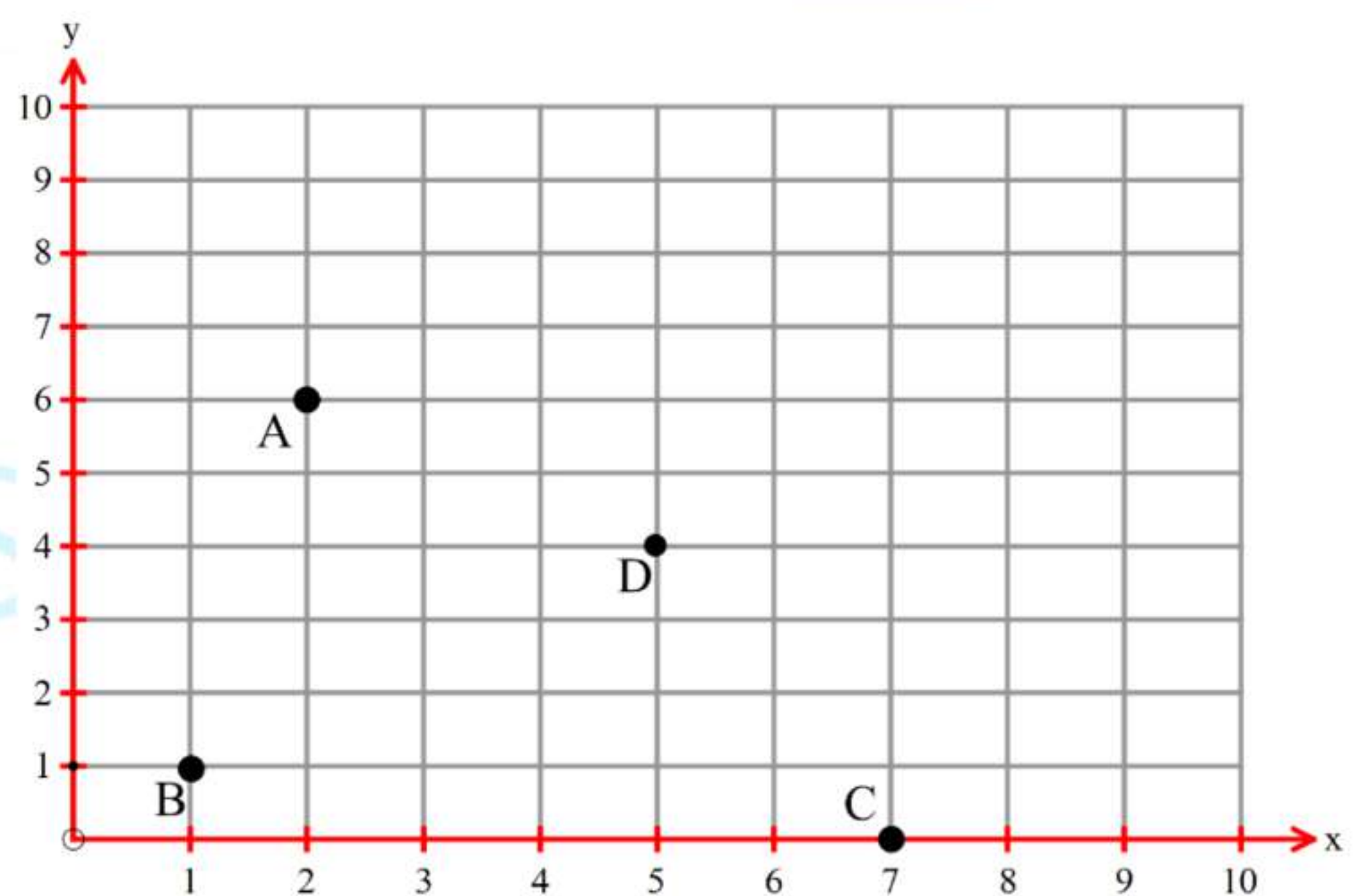
Write the order pair of each of the following points:

① A (2, 6)

② B (1, 1)

③ C (7, 0)

④ D (5, 4)



(7) In the opposite coordinate plane:

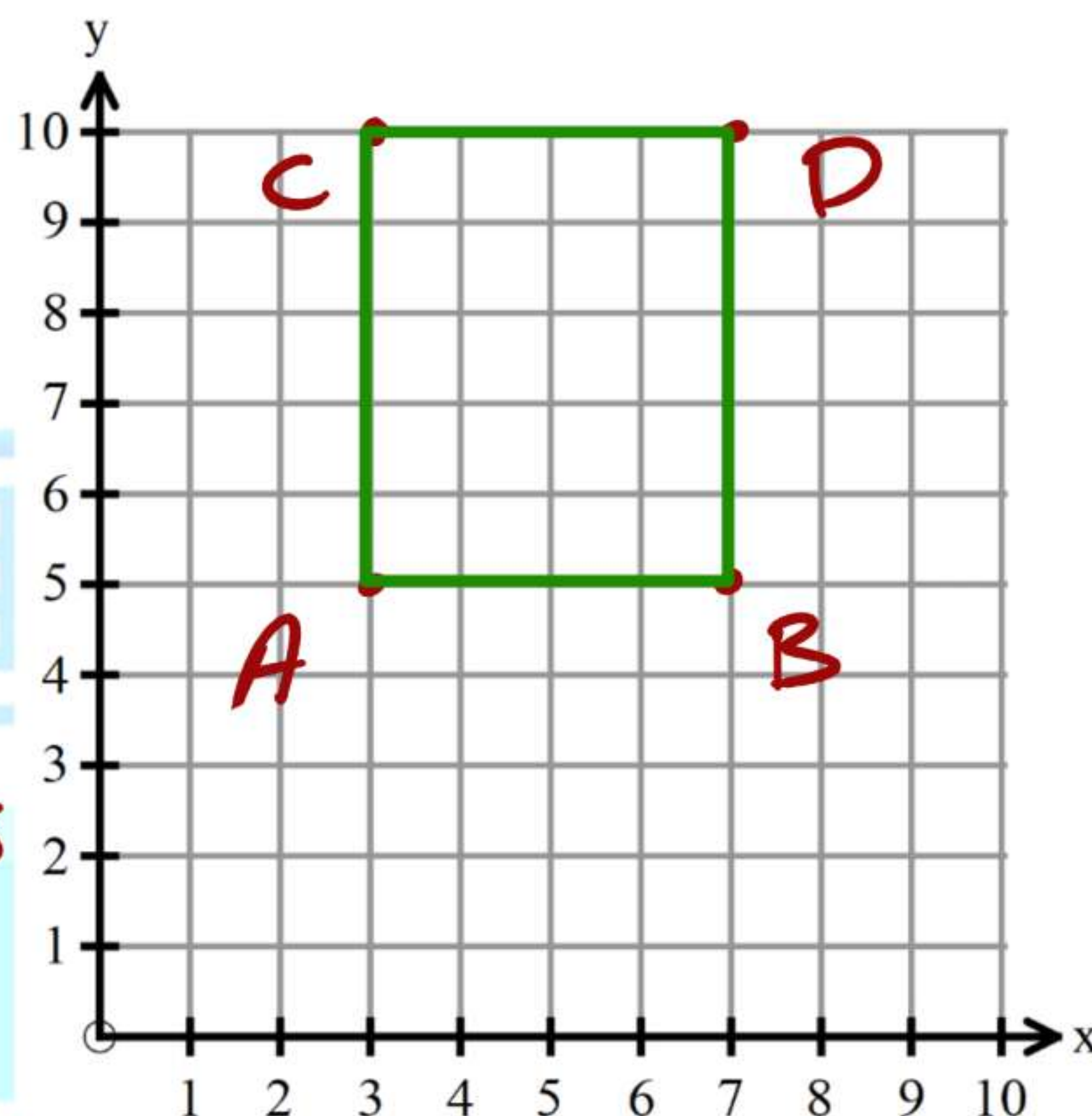
a. Graph the figure ABCD were.

A (3,5), B (7,5), C (3,10) and D (7,10)

b. what is the name of the figure ABCD

c. what is the length of $\overline{AB}$? 4 units

d. what is the length of $\overline{AC}$? 5 units



(8) Ola is selling bags of cookies in her neighborhood to make extra money to buy a new bike. She earns 5 L.E for each bag of cookies she sells. complete the table and then graph the points on the coordinate grid.

Bagas of cookies	Money Earned L.E.
2	10.....
4	20.....
6	30.....
8	40.....
10	50.....

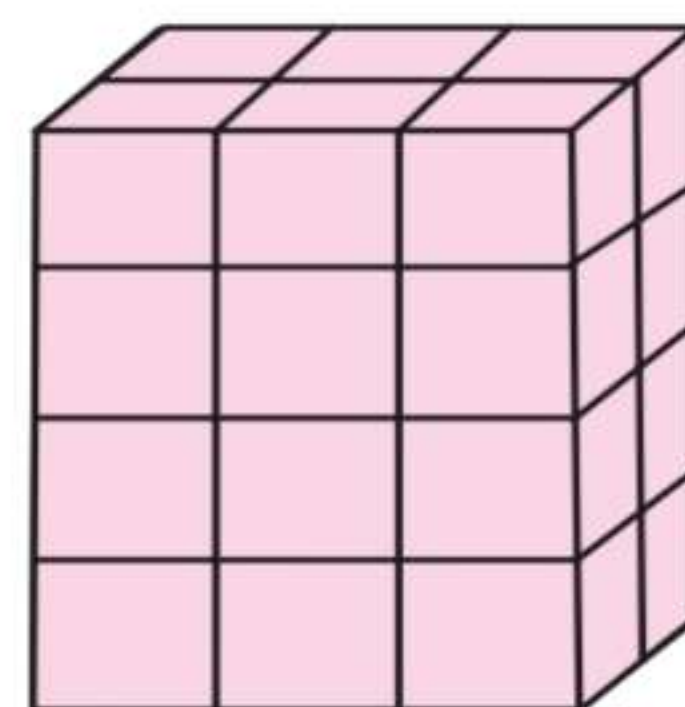


(9) In the opposite solid.

1- number of horizontal layers:**4**....

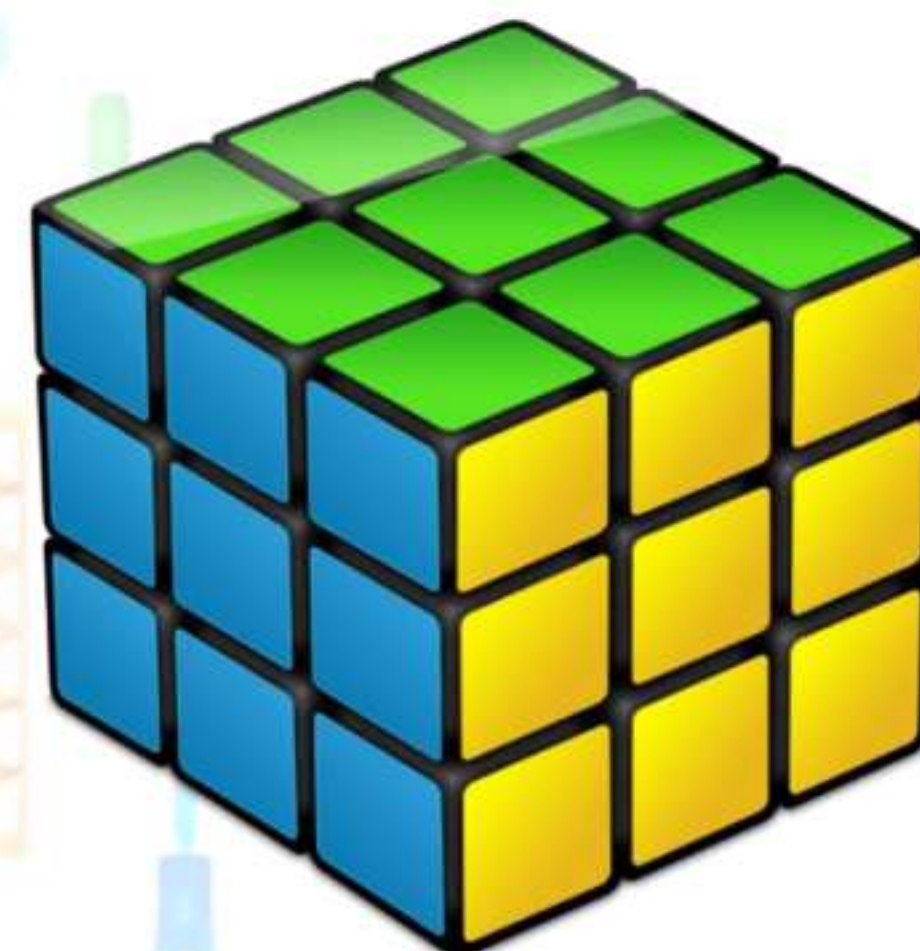
2- number of cubes in each horizontal layer:**6**....

3- volume =**4**... × ...**6**.... = ...**24**... cm^3



(10) Find the volume of the opposite solid.

..... **$V = 3 \times 3 \times 3 = 27 \text{ Cube}$**



(11) Find the volume of the opposite figure.

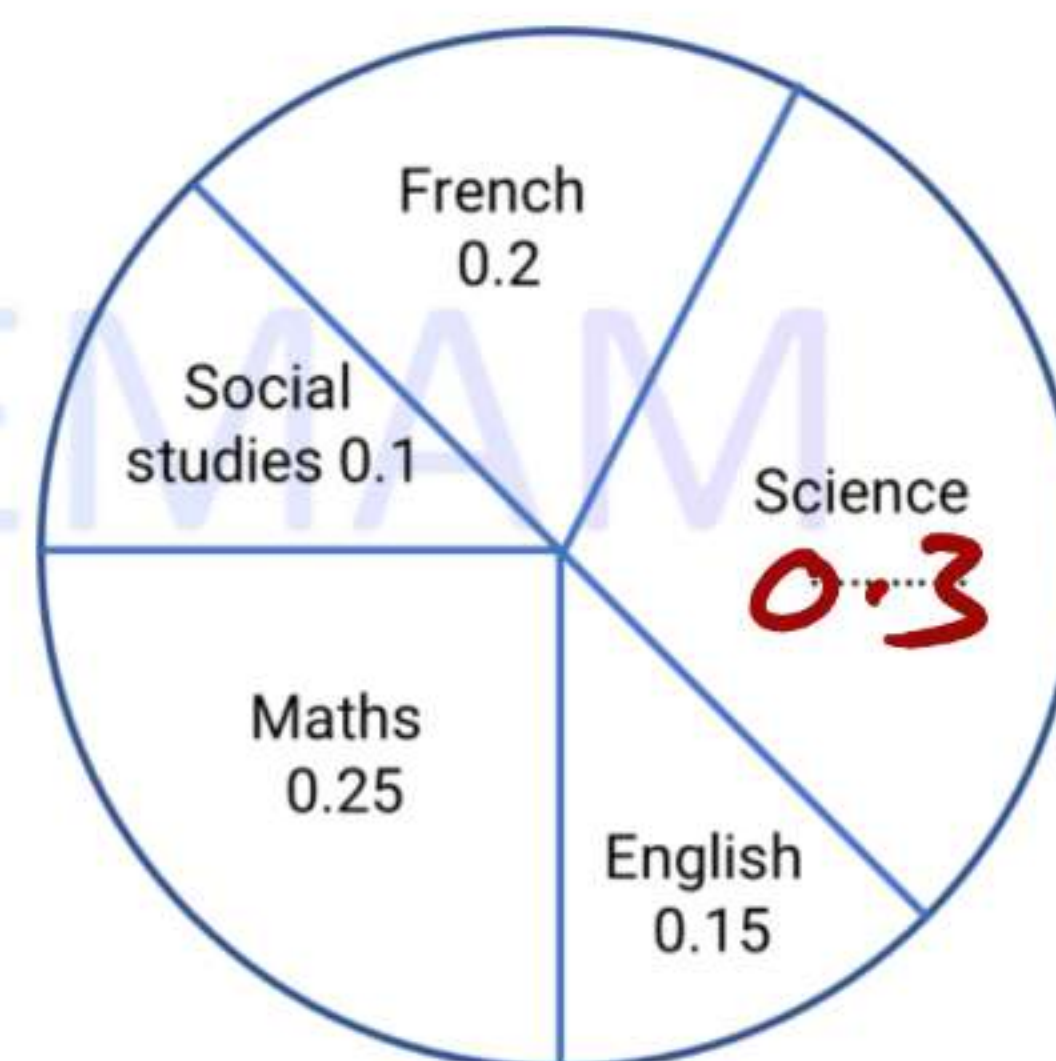
..... **$V = 10 \times 5 \times 2 =$**
 **100 cm^3**



(12) The opposite figure shows the percentages of sales of different types of the book. Complete:

1- the sales fraction of science books is **$\frac{3}{10}$**

2- the least sales fraction is in ...**Social studies**...



(13) The opposite figure represents the different activities which sally does during day.

Study the figure, then answer the following questions:

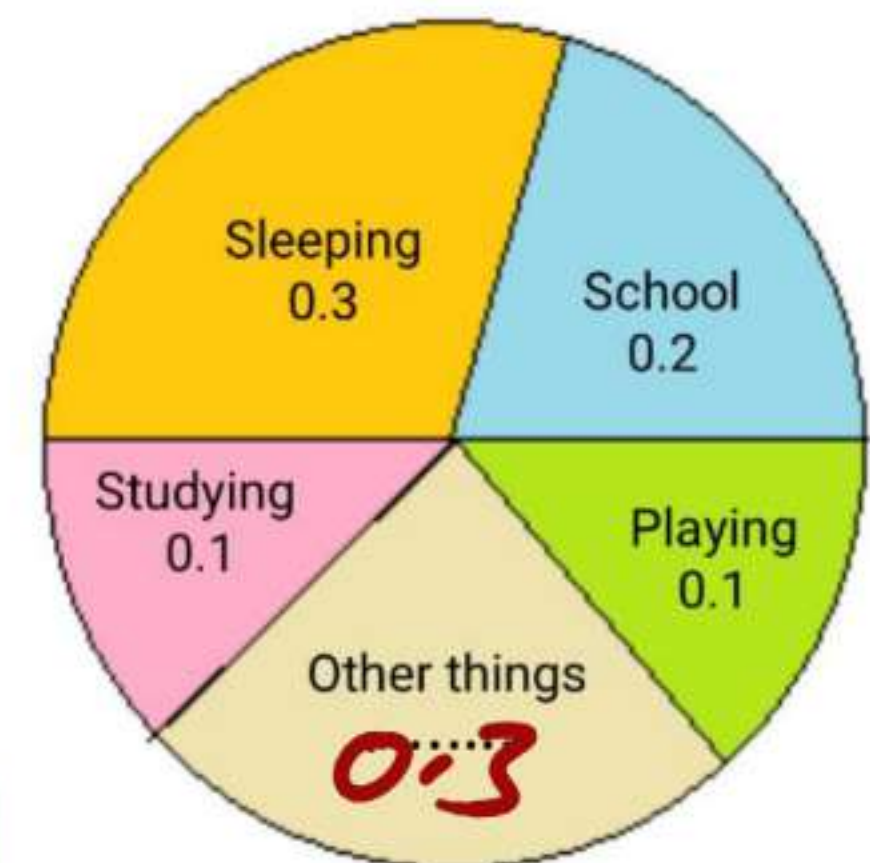
a- find the decimal of the time that sally spends at school. 0.2

b- find the decimal of the time that sally spends in sleeping. 0.3

c- find the decimal of the time that sally spends in other things. 0.3

d- complete:

sally spends the same decimal of the time in *Studying* and *Playing*.



(14) The following figure represents the fractions of the favorite subjects of 200 pupils in a school.

Answer the following questions:

a- what is the decimal of the pupils who prefer science? 0.1

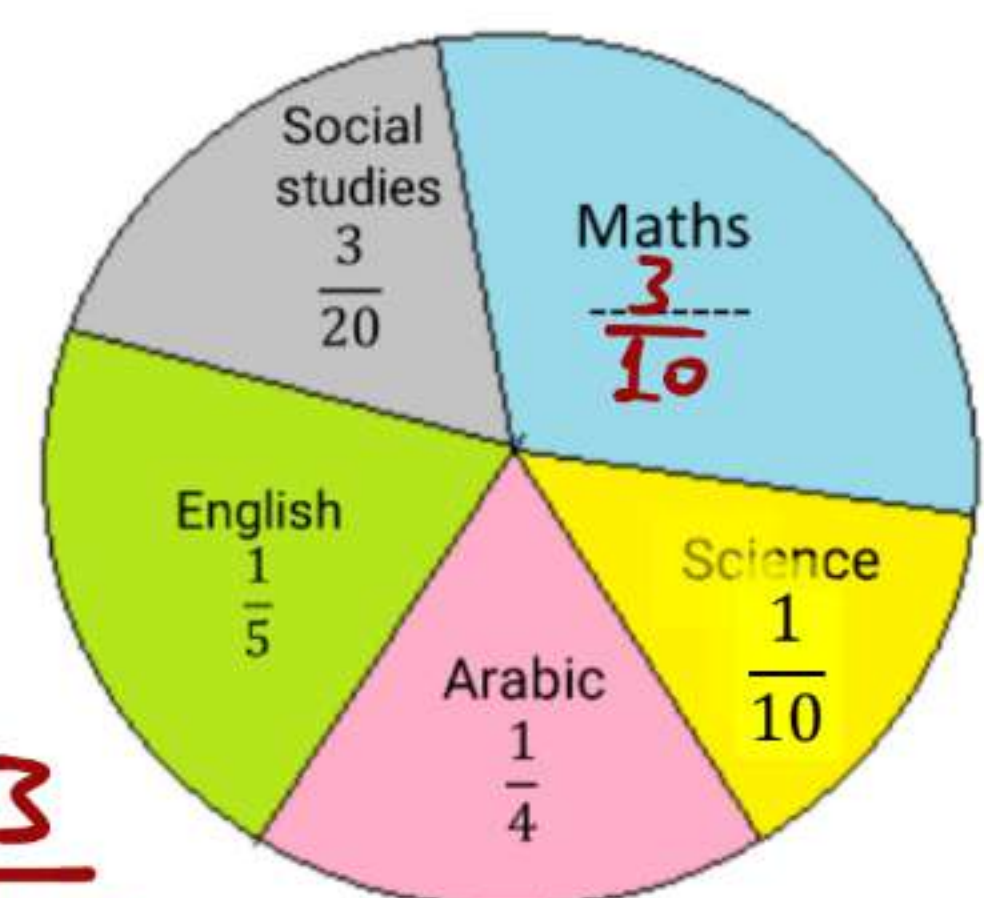
b- what is the decimal of the pupils who prefer English? 0.2

c- what is the fraction of the pupils who prefer mathematics? $\frac{3}{10}$

d- find the measure of the central angle of maths in degrees. 108°

e- how many pupils prefer studying English?

$$\frac{1}{5} \times 200 = 40 \text{ pupils}$$



- (15) Sara spends $\frac{1}{2}$ of her money to buy candy and $\frac{1}{3}$ of it to buy toys. What fraction of her money is left?

$$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

$$\frac{6}{6} - \frac{5}{6} = \frac{1}{6}$$

- (16) Soha likes chocolate. One day she bought a chocolate and ate $\frac{5}{9}$ of it in the morning and $\frac{1}{3}$ in the evening. How much part of the chocolate has she eaten?

$$\frac{5}{9} + \frac{1 \times 3}{3 \times 3} = \frac{5}{9} + \frac{3}{9} = \frac{8}{9} \text{ of chocolate}$$

- (17) Omnia purchases $\frac{8}{9}$ kg of fava beans. She uses $\frac{3}{4}$ kg of the fava beans to make falafel. How many kilograms of fava beans are left?

$$\frac{8}{9} - \frac{3}{4} = \frac{32}{36} - \frac{27}{36} = \frac{5}{36} \text{ kg}$$

- (18) Ahmed ate $\frac{1}{3}$ of the cake and Hazem $\frac{3}{8}$. How much of the cake has been eaten and how much is left?

$$\frac{1}{3} + \frac{3}{8} = \frac{8}{24} + \frac{9}{24} = \frac{17}{24}$$

$$\frac{24}{24} - \frac{17}{24} = \frac{7}{24} \text{ of the Cake}$$

(19) Mustafa is harvesting sugarcane. He can harvest $3\frac{3}{4}$ kilograms of sugarcane in 1 hour.

If he plans to work for $2\frac{1}{2}$ hours, How much sugarcane will he harvest?

$$3\frac{3}{4} \times 2\frac{1}{2} = \frac{15}{4} \times \frac{5}{2} = \frac{75}{8} = 9\frac{3}{8} \text{ kg}$$

(20) A juice can is in the shape of cuboid, its base is square- shaped of side length 5 cm.

and its height is 10 cm. calculate the volume of the juice can.

$$V = L \times w \times h = 5 \times 5 \times 10 = 250 \text{ cm}^3$$

(21) A cuboid whose volume 8000 cm^3 and the length of its base is 25 cm and the width of its base is 16 cm. find the height of the cuboid.

$$h = \frac{V}{L \times w} = \frac{8000}{25 \times 16} = \frac{8000}{400} = 20 \text{ cm}$$

ENG. ESLAM EMAM

حمل الآن

مجاناً وحصرياً

المراجعة رقم (4)

الترم الثاني



1. Choose the correct answer:

1 The simplest form of $\frac{6}{12}$ is

a. $\frac{1}{2}$

b. $\frac{2}{3}$

c. $\frac{5}{6}$

d. $\frac{12}{6}$

2 $\frac{5}{6} = \frac{\dots}{30}$

a. 5

b. 25

c. 10

d. 1

3 The equivalent fractions for the two fractions $\frac{27}{36}$, $\frac{6}{24}$ are

a. $\frac{1}{4}$, $\frac{3}{4}$

b. $\frac{1}{4}$, $\frac{3}{5}$

c. $\frac{1}{3}$, $\frac{3}{4}$

d. $\frac{1}{2}$, $\frac{3}{4}$

4 The Least Common Multiple (LCM) for the two numbers 8 and 6 is

a. 2

b. 6

c. 8

d. 24

5 The Least Common Multiple (LCM) of the denominators in the following fractions $\frac{5}{9}$, $\frac{1}{6}$ is

a. 6

b. 9

c. 18

d. 60

6 The smallest common denominator for these two fractions: $\frac{7}{12}$, $\frac{5}{6}$ is

a. 1

b. 6

c. 12

d. 60

7 The least common denominator for the two mixed numbers $1\frac{1}{3}$, $9\frac{1}{2}$ is

a. 2

b. 3

c. 5

d. 6

8 $\frac{1}{5} + \frac{1}{7} = \dots\dots\dots$

a. $\frac{2}{35}$

b. $\frac{12}{35}$

c. $\frac{2}{12}$

d. $\frac{1}{35}$

9 $\frac{3}{4} + \frac{3}{12} = \dots\dots\dots$

a. $\frac{6}{12}$

b. $\frac{7}{12}$

c. $\frac{11}{12}$

d. 1

10 $\frac{5}{8} - \frac{1}{4} = \dots\dots\dots$

a. $\frac{1}{8}$

b. $\frac{2}{8}$

c. $\frac{3}{8}$

d. $\frac{4}{4}$

11 $\frac{1}{3} - \frac{1}{6} = \dots\dots\dots$

a. $\frac{0}{4}$

b. $\frac{4}{6}$

c. $\frac{1}{6}$

d. $\frac{4}{24}$

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12 $3 + \frac{1}{2} + \frac{1}{4} = \dots\dots\dots$

a. $3\frac{3}{4}$

b. $3\frac{2}{6}$

c. $3\frac{6}{4}$

d. $\frac{3}{4}$

13 $\frac{1}{4} + 2 + \frac{1}{4} + 1 = \dots\dots\dots$

a. $6\frac{3}{9}$

b. $6\frac{5}{9}$

c. $6\frac{1}{9}$

d. $2\frac{3}{9}$

14 $\frac{1}{4} + \frac{1}{4} + 1 = \dots\dots\dots$

a. $\frac{2}{4}$

b. $\frac{3}{4}$

c. $1\frac{3}{4}$

d. $1\frac{1}{2}$

15 $1 - \frac{1}{6} - \frac{3}{6} = \dots\dots\dots$

a. $\frac{1}{6}$

b. $\frac{2}{6}$

c. $\frac{3}{6}$

d. $\frac{4}{6}$

16 $5\frac{1}{2} + 1\frac{3}{10} = \dots\dots\dots$

a. $6\frac{4}{6}$

b. $6\frac{1}{10}$

c. $6\frac{2}{10}$

d. $6\frac{4}{5}$

17 $2\frac{2}{4} + 3\frac{1}{4} = \dots\dots\dots$

a. $\frac{3}{8}$

b. $\frac{1}{8}$

c. $5\frac{3}{4}$

d. $5\frac{1}{8}$

18 $2 + \frac{1}{5} + 4 + \frac{1}{2} = \dots\dots\dots$

a. $\frac{7}{10}$

b. $6\frac{2}{7}$

c. $6\frac{7}{10}$

d. $6\frac{7}{5}$

19 $2\frac{3}{4} - 1\frac{1}{2} = \dots\dots\dots$

a. $1\frac{1}{4}$

b. $1\frac{1}{2}$

c. $\frac{3}{4}$

d. $4\frac{1}{4}$

20 If $b - \frac{5}{6} = \frac{1}{4}$ then $b = \dots\dots\dots$

a. $\frac{27}{28}$

b. $\frac{13}{28}$

c. $\frac{1}{4}$

d. $\frac{5}{7}$

21 If $3\frac{2}{3} - b = 1$, then $b = \dots\dots\dots$

a. $3\frac{2}{3}$

b. $2\frac{2}{3}$

c. $\frac{2}{3}$

d. 2

22 $2\frac{1}{3}$ hours = $\dots\dots\dots$ Minutes

a. 60

b. 80

c. 120

d. 140



23 $1\frac{1}{4}$ days = hours
a. 30 b. 80 c. 120 d. 140

24 $3\frac{1}{2}$ years = months
a. 12 b. 24 c. 36 d. 42

25 $\frac{2}{6} \times 3 = \dots\dots\dots$
a. $\frac{5}{6}$ b. 1 c. 36 d. $\frac{12}{3}$

26 $\frac{1}{3}$ of 12 =
a. 4 b. 3 c. 8 d. 12

27 Ibrahim bought 20 pieces of chocolate and gave his classmate $\frac{3}{5}$ of the pieces. Then the number of pieces he gave to his classmate = piece
a. 10 b. 12 c. 8 d. 15

28 There are 3 bags of rice, the mass of each bag $\frac{2}{3}$ kg what the total mass of rice is? The calculation that can be used to represent the situation is
a. Addition b. Subtraction c. Multiplication d. Division

29 $3\frac{2}{5} \times 5 = \dots\dots\dots$
a. $\frac{17}{5}$ b. 5 c. 17 d. $\frac{10}{5}$

30 $\frac{2}{3} \times \frac{1}{2} = \dots\dots\dots$
a. $\frac{1}{3}$ b. $\frac{3}{5}$ c. $\frac{1}{2}$ d. 1

31 $\frac{2}{3} \times \frac{5}{5} = \dots\dots\dots$
a. $\frac{10}{8}$ b. $\frac{7}{15}$ c. $\frac{10}{15}$ d. $\frac{5}{15}$

32 $2\frac{1}{3} \times \frac{3}{7} = \dots\dots\dots$
a. 1 b. $\frac{3}{7}$ c. $2\frac{1}{7}$ d. $\frac{7}{3}$

33 $5 \times \frac{3}{7} \dots\dots\dots 4\frac{3}{7}$
a. > b. < c. = d. Otherwise

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34 $2\frac{1}{2} \times 5 = (\dots \times 5) + (\frac{1}{2} \times 5)$

a. 2

b. 5

c. $\frac{1}{2}$

d. 1

35 $\frac{3}{4} \times 7\frac{1}{2} = (\frac{3}{4} \times 7) + (\dots + \dots)$

a. $7 \times \frac{1}{2}$

b. $\frac{1}{2} \times \frac{3}{4}$

c. $3 \times \frac{1}{2}$

d. $4 \times \frac{1}{2}$

36 $(\frac{3}{4} \times 1) + (\frac{3}{4} \times \frac{1}{9}) = \dots \times \dots$

a. $\frac{3}{4} \times 1\frac{1}{4}$

b. $1 \times 1\frac{3}{4}$

c. $\frac{3}{4} \times 1\frac{1}{9}$

d. $\frac{1}{4} \times \frac{1}{9}$

37 The improper fraction equivalent to the mixed number $7\frac{1}{2}$ is

a. $\frac{15}{2}$

b. $\frac{9}{2}$

c. $\frac{7}{2}$

d. $\frac{10}{2}$

38 The improper fraction $\frac{25}{4}$ is equivalent

a. 6

b. 7

c. $6\frac{1}{4}$

d. $1\frac{1}{6}$

39 If $2\frac{1}{7} = \frac{x}{7}$, then x =

a. 1

b. 2

c. 15

d. 7

40 $13 \div 5 = \dots$ (as mixed number)

a. $\frac{5}{13}$

b. $1\frac{3}{5}$

c. $2\frac{3}{5}$

d. $5\frac{2}{3}$

41 The fraction that represents dividing 17 LE equally among 3 boys is

a. $\frac{1}{3}$

b. $\frac{1}{17}$

c. $\frac{17}{3}$

d. $\frac{3}{17}$

42 The remainder of the division problem represented by the mixed number $4\frac{3}{5}$ is

a. 3

b. 4

c. 5

d. 15

43 $\frac{3}{7} \times \dots = 1$

a. $\frac{3}{7}$

b. $\frac{7}{3}$

c. $\frac{10}{7}$

d. 1

44 $1\frac{3}{7} \times \dots = 1$

a. $\frac{7}{3}$

b. $\frac{10}{7}$

c. $\frac{7}{10}$

d. 1

45 $5 \div b = 15$, then b =

a. 3

b. $\frac{1}{3}$

c. 5

d. $\frac{1}{5}$



46 $\frac{1}{4} \times m = \frac{1}{20}$, then $m = \dots\dots\dots$

a. 5

b. $\frac{1}{5}$

c. 10

d. $\frac{1}{10}$

47 $\frac{1}{7} \times \dots\dots\dots = 2$

a. 35

b. 28

c. 21

d. 14

48 $3 \div \frac{1}{5} = \dots\dots\dots$

a. $\frac{1}{5}$

b. $\frac{1}{15}$

c. 15

d. $\frac{3}{5}$

49 $\frac{1}{3} \div 2 = \dots\dots\dots$

a. $\frac{1}{2}$

b. $\frac{1}{6}$

c. $\frac{2}{3}$

d. $\frac{3}{2}$

50 $7 \div \frac{1}{8} = 7 \times \dots\dots\dots$

a. $\frac{1}{8}$

b. $\frac{2}{4}$

c. 4

d. 8

51 $\frac{1}{2} \dots\dots\dots \frac{1}{9}$

a. >

b. <

c. =

d. otherwise

52 $\frac{1}{3} < \dots\dots\dots$

a. $\frac{1}{8}$

b. $\frac{1}{9}$

c. $\frac{1}{7}$

d. $\frac{3}{4}$

53 The number of thirds in one is $\dots\dots\dots$

a. 1

b. 2

c. 3

d. $\frac{1}{3}$

54 The area of the opposite rectangle = $\dots\dots\dots$ square units



a. 6

b. 12

c. 14

d. 16

55 A rectangle whose length is $\frac{1}{2}$ cm and a width is $\frac{1}{4}$ cm, its area is $\dots\dots\dots$ cm²

a. $\frac{1}{6}$

b. 8

c. $\frac{1}{8}$

d. $\frac{1}{10}$

56 A rectangle whose length is twice its width (in cm). The rule is: length (L) = $2 \times$ width (w) If the width of the rectangle is 2 cm, then its length is $\dots\dots\dots$

a. 8

b. 2

c. 4

d. 6



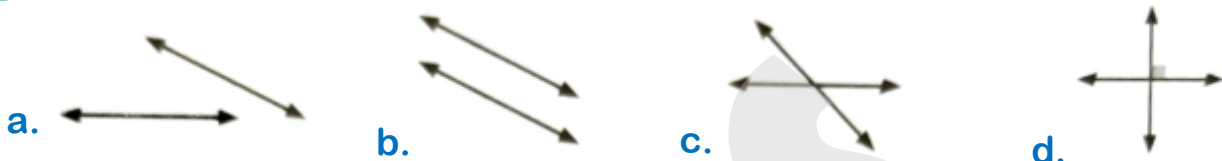
57 The shape  represents

- a. Line segment b. Ray c. Polygon d. Straight line

58 A quadrilateral with sides of equal length and angles that are not right angles is a

- a. Rectangle b. Square c. Rhombus d. Trapezoid

59 The figure represents two perpendicular straight lines



60 An angle whose measure is greater than 0° and less than 90° is a angle

- a. Right b. Acute c. Obtuse d. straight

61 A triangle with side lengths of 6 cm, 4 cm, and 3 cm is called Triangle according to its side lengths

- a. right b. isosceles c. scalene d. equilateral

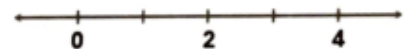
62 A triangle with side lengths of 6 cm, 4 cm, and 6 cm is called Triangle according to its side lengths

- a. right b. isosceles c. scalene d. equilateral

63 The square centimeter is one of the units of measurement for

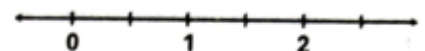
- a. length b. width c. perimeter d. area

64 Using the horizontal number line, the value of the distance between each two consecutive marks is =



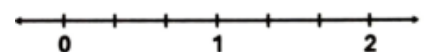
- a. 1 b. $\frac{1}{2}$ c. $1\frac{1}{2}$ d. $\frac{1}{3}$

65 Using the horizontal number line, the value of the distance between each two consecutive marks is =



- a. 1 b. $\frac{1}{2}$ c. $1\frac{1}{2}$ d. $\frac{1}{3}$

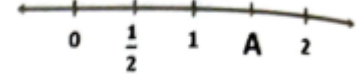
66 Using the horizontal number line, the value of the distance between each two consecutive marks is =



- a. 1 b. $\frac{1}{2}$ c. $1\frac{1}{2}$ d. $\frac{1}{3}$



67 On the opposite number line, the value of A =



- a. $1\frac{1}{2}$ b. $2\frac{1}{2}$ c. $1\frac{1}{4}$ d. $2\frac{1}{4}$

68 Point B is units away from point A



- a. 1 b. 8 c. 7 d. 6

69 The ordered pair that expresses the origin is

- a. (1, 1) b. (0, 0) c. (0, 1) d. (1, 0)

70 Which of the following points lies on the X-axis?

- a. (0, 6) b. (6, 4) c. (6, 0) d. (6, 6)

71 Which of the following points lies on the Y-axis?

- a. (3, 0) b. (2, 3) c. (0, 9) d. (2, 2)

72 In the following pattern (1,6), (3, 9), (5, 12), (7, 15), the value of x increases by an amount of

- a. 1 b. 2 c. 3 d. 4

73 The value of the symbol A in the pattern (2, 10), (3, 15), (A, 20), (5, 25) is

- a. 4 b. 6 c. 8 d. 2

74 The value of the symbol A in the pattern (2, 10), (3, A), (4, 20), (5, 25) is

- a. 25 b. 30 c. 15 d. 5

75 The number of faces of a rectangular prism = faces

- a. 6 b. 8 c. 12 d. 5

76 The number of faces of a rectangular prism-shaped box without a lid = faces

- a. 4 b. 5 c. 6 d. 8

77 The number of edges of a cube = edges

- a. 6 b. 8 c. 12 d. 5

78 The shape that has 6 faces, each in the shape of a square, and 12 edges is

- a. Square pyramid b. Cube c. Sphere d. Rectangular prism



79 The number of vertices of a cube the number of vertices of a square pyramid

- a. > b. < c. = d. double

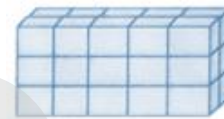
80 The base of the cylinder is in the shape of a

- a. Square b. Circle c. Rectangle d. Cone

81 The shape that has one face and one vertex is

- a. Square pyramid b. Sphere c. Cylinder d. Cone

82 The number of horizontal layers in the given shape = layers



- a. 2 b. 3 c. 4 d. 5

83 Number of vertical slices in the opposite figure = slices



- a. 2 b. 3 c. 4 d. 5

84 In the opposite figure: The number of cubes in each vertical slice = unit cube



- a. 9 b. 12 c. 4 d. 3

85 Volume of the opposite figure = cubic units



- a. 3 b. 6 c. 9 d. 12

86 Volume of the opposite figure = cubic units



- a. 4 b. 6 c. 8 d. 12

87 Volume of the opposite figure = cm^3



- a. 30 b. 36 c. 12 d. 24



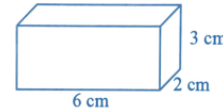
88 If the number of layers of the shape is 3 layers and the area of each layer is 5 cm^2 , then the volume of the shape = cm^3

- a. 8 b. 2 c. 15 d. 25

89 A rectangular prism is divided into 4 layers, and each layer has 6 unit cubes. Then the volume of the rectangular prism = cubic units

- a. 6 b. 10 c. 12 d. 24

90 The volume of the opposite rectangular prism = cm^3



- a. 48 b. 54 c. 24 d. 36

91 A rectangular prism with dimensions 5 cm, 1 cm, and 5 cm. Its volume is = cm^3

- a. 10 b. 25 c. 30 d. 50

92 A rectangular prism with dimensions 2 cm, 3 cm, and 5 cm. Its volume is = cm^3

- a. 10 b. 25 c. 30 d. 50

93 A swimming pool has internal dimensions of 30 meters, 12 meters, and a height of 3 meters. Then its volume = m^3

- a. 45 b. 1080 c. 108 d. 1800

94 A rectangular prism whose base is square-shaped with a side length of 5 cm, and its height is 10 cm, its volume = cm^3

- a. 500 b. 250 c. 150 d. 50

95 A rectangular prism with a volume of 400 cubic cm, its base length is 8 cm, and its width is 5 cm, then its height = cm

- a. 10 b. 20 c. 50 d. 80

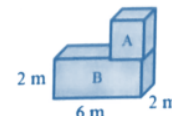
96 If the volume of a rectangular prism is 180 cm^3 and its height is 6 cm, then the area of its base = cm^2

- a. 15 b. 30 c. 18 d. 6

97 if the volume of a rectangular prism is 54 cm^3 and its base is a square with a side length of 3 cm, then its height = cm

- a. 3 b. 6 c. 9 d. 12

98 From the opposite compound shape, the length of the cube's edge (A) = m^3



- a. 2 b. 4 c. 6 d. 8



99 A type of graph in which the circle is divided into sections, each of which represents a part of the whole, is

- a. Dot plot b. Pie chart c. Line graphs d. Bar graphs

100 The ordinary fraction that expresses the shaded part in the opposite figure is



- a. $\frac{1}{2}$ b. $\frac{1}{4}$ c. $\frac{1}{6}$ d. $\frac{1}{8}$

101 The missing decimal of the pie chart is



- a. 0.4 b. 0.25 c. 0.75 d. 0.2

102 The angle measure of the pie chart sector that represents a quarter of the circle (Circular Degrees) =

- a. 45° b. 60° c. 90° d. 180°

103 The angle measure of the pie chart sector that represents half of the circle (Circular Degrees) =

- a. 45° b. 60° c. 90° d. 180°

104 The angle measure of the pie chart sector that represents one-sixth of the circle (Circular Degrees) =

- a. 45° b. 60° c. 90° d. 180°

105 The Circular Degree 270° represents of the circle

- a. Quarter b. Third c. Half d. Three quarters

106 If the circle represents 60 students, then: The number of students represented by the shaded part = students



- a. Quarter b. Third c. Half d. Three quarters

2. Answer the following:

1 Write 3 fractions equivalent to the fraction $\frac{2}{3}$

2 What is the fraction equivalent to the fraction $\frac{1}{2}$ and its numerator is 20

3 Write the two fractions with a common denominator: $\frac{3}{4}$, $\frac{7}{8}$

4 Answer the following:

a. $\frac{1}{3} + \frac{1}{4} = \dots\dots$

b. $\frac{5}{9} - \frac{1}{3} = \dots\dots$

c. $4 + \frac{2}{7} + \frac{3}{7} = \dots\dots$

d. $2 + \frac{1}{5} + \frac{1}{2} = \dots\dots$

e. $1 - \frac{2}{10} - \frac{1}{10} = \dots\dots$

f. $1 - \frac{1}{7} - \frac{1}{2} = \dots\dots$

g. $\frac{5}{8} - \frac{1}{2} = \dots\dots$

h. $\frac{7}{8} - \frac{1}{6} = \dots\dots$

i. $\frac{2}{5} + \frac{1}{4} = \dots\dots$

j. $8\frac{2}{3} - 1\frac{5}{9} = \dots\dots$

k. $6\frac{1}{4} + 3\frac{2}{7} = \dots\dots$

l. $3\frac{5}{6} - 1\frac{1}{3} = \dots\dots$

m. $1\frac{1}{8} + 2\frac{1}{4} = \dots\dots$

n. $3\frac{5}{6} - 1\frac{1}{3} = \dots\dots$

o. $9 - \frac{2}{5} = \dots\dots$

5 Find the missing number:

$5\frac{2}{5} + 2\frac{1}{3} = 4 + \dots\dots$

$J + 9\frac{1}{4} = 11\frac{1}{3}$, J =

$F - 3\frac{1}{5} = 8\frac{7}{10}$, F =

6 Khaled had $75\frac{1}{2}$ LE and gave his brother $50\frac{1}{4}$ LE. How many LE are left with Khaled?

7 Ahmed spends $1\frac{1}{3}$ hours training for football, and $2\frac{1}{2}$ hours training for swimming. What is the total time Ahmed spends in both trainings

8 Mohamed bought $9\frac{7}{8}$ kg of sugar and consumed $6\frac{2}{8}$ kg of it. What is the remaining mass of sugar?

9 Marawan studied math for $2\frac{1}{2}$ hours and science for 90 minutes. How many hours did Marawan study in all?

10 Answer the following:

$\frac{2}{3} \times \frac{5}{7} = \dots\dots$

$4 \times \frac{1}{5} = \dots\dots$

$5 \times \frac{3}{4} = \dots\dots$

$\frac{3}{4} \times \frac{1}{9} = \dots\dots$

$\frac{2}{15} \times \frac{5}{8} = \dots\dots$

$\frac{4}{5} \times \frac{4}{9} = \dots\dots$

$\frac{1}{2} \times \frac{1}{5} = \dots\dots$	$\frac{2}{7} \times \frac{5}{\dots\dots} = \frac{10}{49}$	$\frac{1}{4} \times \frac{\dots\dots}{3} = \frac{1}{4}$
$1\frac{1}{2} \times \frac{2}{3} = \dots\dots$	$2\frac{2}{5} \times \frac{2}{3} = \dots\dots$	$\frac{3}{8} \times 2\frac{1}{2} = \dots\dots$
$1\frac{2}{3} \times 4\frac{2}{5} = \dots\dots$	$2\frac{1}{3} \times 1\frac{5}{7} = \dots\dots$	$3\frac{1}{3} \times 5\frac{2}{5} = \dots\dots$

11 Mahmoud bought 5 pens, the price of one pen is $8\frac{1}{2}$ LE.
What is the total price of the pens?

12 A farm tractor ploughs $2\frac{1}{2}$ feddans in one hour.
What is the number of feddans it ploughs in $1\frac{1}{2}$ hours?

13 Amal bought $3\frac{1}{3}$ kg of oranges. The price per kilogram is $10\frac{1}{2}$ LE
What is the total amount Amal pays?

14 There are 3 bags of rice, the mass of each bag $\frac{2}{3}$ kg what the total mass of the rice is?

15 Ibrahim bought 20 pieces of chocolate. He gave his colleagues $\frac{3}{5}$ of the pieces.
• The number of pieces he gave his colleagues = pieces

16 Farah has $2\frac{1}{3}$ bags of rice, each bag contains $10\frac{1}{2}$ kg of rice.
How much rice does Farah have?

17 Ahmed owns a garden with an area of $1\frac{3}{5}$ feddans. He planted $\frac{1}{5}$ of the garden.
• The area of the planted part = feddans

18 What is $\frac{3}{4}$ of the number 20?

19 Maya ate $\frac{1}{4}$ of candies. How many candies are left?

20 Find the quotient as an improper fraction and put it in simplest form:

$12 \div 5 = \dots\dots$

$11 \div 3 = \dots\dots$

$14 \div 5 = \dots\dots$

21 The price of 9 pens is 77 L.E. Find the price of each pen

22 Answer the following:

a. $\frac{1}{7} \div 2 = \dots\dots$

b. $\frac{1}{4} \div 3 = \dots\dots$

c. $2 \div \frac{1}{3} = \dots\dots$

d. $4 \div \frac{1}{3} = \dots\dots$

23 Find the missing number:

a. $\frac{1}{9} \div a = \frac{1}{45}$

b. $b \times \frac{1}{9} = \frac{1}{45}$

c. $\frac{1}{7} \times \dots = 3$

d. $b \times 8 = 24$

24 Malak drinks $\frac{1}{5}$ liter of juice daily. If she has 4 liters of juice, what is the number of days it will take her to drink all the juice?

25 $\frac{1}{6}$ of the food was left after the party. Farah distributed the remaining food equally among 5 needy people. What is the share of each needy person?

26 A teacher wants to give $\frac{1}{8}$ of a box pencils to each student. He has 5 boxes of pencils. How many students will he be able to give pencils?

27 How many thirds are there in the number 8?

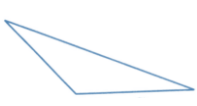
28 What is the quadrilateral has only one pair of parallel sides

29 What is the polygon has four sides of equal length and 4 right angles

30 Write the number of lines of symmetry for each of the following:

Square	Rhombus	Rectangle	parallelogram
.....			

31 In the following, write the type of each triangle according to their angle measures and their side lengths:

Shape			
According to its angle measures	.....	.....	.....
According to its side lengths	.....	.....	.....

32 Find area of a rectangle with a length of 6 units and a width of 4 units

33 Find the area of a rectangle with dimensions 3 units $\times$ $3\frac{1}{2}$ units

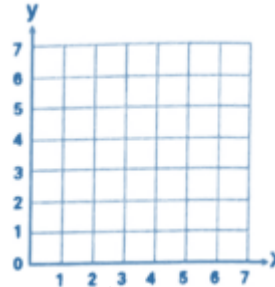
34 A rug with a length of 3 meters and a width of $\frac{3}{4}$ meters. What is the area of the rug?

35 Find the area of the rectangle opposite if you know the side length of each square $1\frac{1}{2}$ units

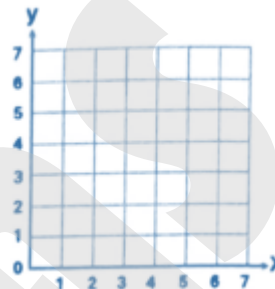


- 36 a rectangle has a length of $1\frac{1}{3}$ cm and a width of $\frac{1}{3}$ cm. find its area.

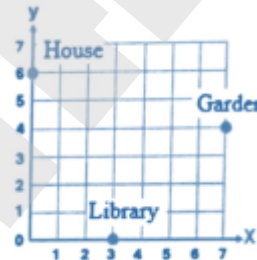
- 37 Locate the points (5,6), (0,3), (4,0) in the opposite coordinate plane.



- 38 Plot the following points on the coordinate grid:
A (2, 3), B (2, 6), C (5, 6), D (5, 3),
then connect the points in order
and state the name of the resulting
shape.



- 39 Using the opposite coordinate plane, determine the ordered pair that represents each of:
The Garden
The House
The Library



- 40 What is the ordered pair whose X-coordinate is 8 and Y-coordinate is 1?

- 41 Start from the origin, move 4 units right horizontally on the X-axis then 7 units up vertically parallel to the Y-axis. Determine the building located here

- 42 Using the following ordered pairs: (2, 10), (3, 15), (4, 20), (5, 25)
Find the value of y when x = 7

- 43 Complete the table, then answer the questions:

Value of x	3	6	.....	12	.....	18
Value of y	5	7	9	.....	13	.....

- a. What is the amount of increase in the values of x, and the values of y?
.....
b. If the value of x = 9, what is the value of y?
.....
c. If the value of x = 21, what is the value of y, and what is this ordered pair?
.....

- 44** Mona sells bags of cookies to earn money to buy a bicycle. She earns 10 LE for each bag she sells:
Complete the table

Bags of cookies	2	4	7	8	10
Money in LE	.....	.....	.....	.....	.....

- a. Plot the points on the coordinate plane
b. How much money does Mona earn if she sells 9 bags?
.....
c. What is the ordered pair that represents how much Mona earns when she sells 20 bags of cookies?
.....
d. If Mona earned 60 LE, how many bags did she sell?
.....

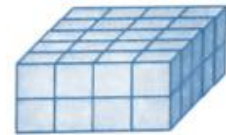


- 45** State the number of faces of each of the following: Cube, Rectangular prism, Sphere
.....

- 46** State the number of edges of each of the following: Rectangular prism, Cube and Square-based pyramid, cylinder
.....

- 47** State the shape of the face of each of the following: Cylinder, Rectangular prism and Cube
.....

- 48** a. Number of horizontal layers = Layer
b. Number of cubes in each layer = Cube
c. Volume of the rectangular prism = cubic cm



- 49** a. Number of vertical slices = slices
b. Number of cubes in each slice = cubes
c. Volume of the shape = cm^3



- 50** Find the volume of the opposite shape
.....



- 51** Write the dimensions and find its volume

- a. Length =
b. Width =
c. Height =
d. Volume =

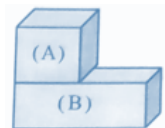
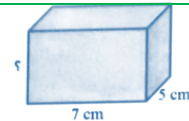


- 52** Calculate the volume of the following shapes
.....





- 53 A rectangular prism is divided into 4 horizontal layers, and each layer contains 6 unit cubes. Find the volume of the rectangular prism
- 54 A rectangular prism is divided into 5 vertical slices, and each slice has 6-unit cubes. Then the volume of the rectangular prism
- 55 A rectangular prism with length 7 cm, width 5 cm, and height 6 cm, find its volume
- 56 A gift box in the shape of a rectangular prism with dimensions 6 cm, 3 cm, 5 cm, find its volume?
- 57 A rectangular prism whose base is square-shaped with a side length of 5 cm, and its height is 6 cm, find its volume
- 58 A tank in the shape of a rectangular prism with internal dimensions of 8 m, 5 m. and 3 m. calculate the volume of water that fills half the tank?
- 59 A rectangular prism with base area 72 cm^2 and height 5 cm find its volume
- 60 A rectangular prism whose three dimensions are equal, and the sum of the three dimensions was 12 cm, find its volume
- 61 If the volume of the opposite rectangular prism is 350 cm^3 find the unknown dimension
- 62 A rectangular prism with a volume of 480 cubic cm, its length is 12 cm, and its width is 4 cm, find its height
- 63 A rectangular prism with a volume of 120 cm^3 , and a height of 4 cm, find the area of its base
- 64 A box in the shape of a rectangular prism with a volume of $8,000 \text{ cm}^3$, a base length of 25 cm, and a width of 16 cm. Find the height of the box?
- 65 If the volume of the opposite compound shape is 400 m^3 and the volume of rectangular prism (b) is 260 m^3
- 66 Write the fraction representing the Circular Degrees in each of the following:
a. The Circular Degrees of 60° represents the of the circle
b. The Circular Degrees of 90° represents the of the circle
c. The Circular Degrees of 120° represents the of the circle



- 67** The opposite figure of you represents the favorite breakfast for a group of students.

a. Write the total number of students surveyed

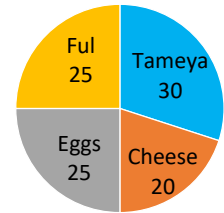
.....

b. Write the fraction represents the students who prefer Cheese

.....

c. Write the decimal represents the students who prefer Cheese

.....



- 68** observe the opposite frequency table and then find;

Building type	Mosque	Post office	Library	Public park	Café
Frequency	22	10	30	30	8

a. Sample size of those surveyed

.....

b. Number of people who chose the public park

.....

c. Decimal representing the group that prefers the post office

.....

d. The fraction representing the group that prefers the mosque

.....

e. Decimal representing the total number of people who choose the post office, library, and public park together

.....

f. The type of building that represents $\frac{1}{10}$ of the Group

.....

- 69** When a group of students were surveyed about their favorite subject, the results were as follows:

Subject	Arabic	Mathematics	Science
Number of students	30	50	20

a. Write the data on the pie chart

b. What is the total number of students surveyed?

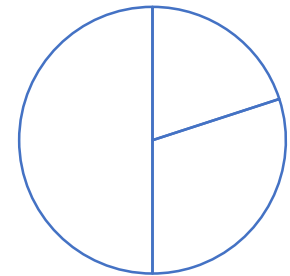
.....

c. What is the fraction that represents the number of students surveyed and prefer Science?

.....

d. What is the decimal representing the number of students surveyed and prefer Arabic Language?

.....



حمل الآن

مجاناً وحصرياً

المراجعة رقم (5)

الترم الثاني



Q1: Choose the correct answer

1 The x-coordinate of the point (5 , 3) is

- ☐ a 5 ☐ b 8 ☐ c 3 ☐ d 2

2 $3\frac{1}{4} + m = 5\frac{1}{2}$, then the value of m =

- ☐ a $1\frac{1}{2}$ ☐ b $2\frac{1}{2}$ ☐ c $1\frac{1}{4}$ ☐ d $2\frac{1}{4}$

3 The y-coordinate of the point (7 , 2) is

- ☐ a 5 ☐ b 9 ☐ c 7 ☐ d 2

4 $1\frac{1}{3}$ year = months.

- ☐ a 16 ☐ b 15 ☐ c 18 ☐ d 14

5 $\frac{5}{7} + k = 1\frac{2}{7}$, then k =

- ☐ a $\frac{3}{7}$ ☐ b $\frac{4}{7}$ ☐ c $1\frac{4}{7}$ ☐ d $\frac{2}{7}$

6 $\frac{8}{9} \times \frac{\dots}{6} = \frac{4}{9}$

- ☐ a 8 ☐ b 1 ☐ c 3 ☐ d 4

7 $\frac{3}{4} \times \dots = \frac{3}{8}$

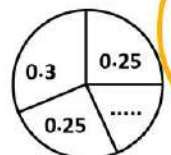
- ☐ a $\frac{1}{4}$ ☐ b $\frac{2}{2}$ ☐ c $1\frac{1}{2}$ ☐ d $\frac{1}{2}$

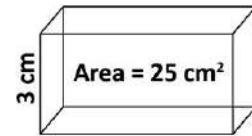
8 The missing part of the opposite pie chart =

- ☐ a 0.25 ☐ b 0.20 ☐ c 0.30 ☐ d 0.35

9 $3\frac{3}{4}$ hour = minutes.

- ☐ a 250 ☐ b 225
☐ c 195 ☐ d 230





10 The volume of the opposite solid is cm^3 .

- (a) 50 (b) 75 (c) 100 (d) 25

11 130 minutes = hours.

- (a) $2\frac{1}{6}$ (b) $2\frac{1}{2}$ (c) $2\frac{1}{4}$ (d) $2\frac{1}{3}$

12 $\frac{2}{5} + \frac{2}{10} = \dots\dots\dots$

- (a) $\frac{3}{5}$ (b) $\frac{7}{10}$ (c) $\frac{5}{10}$ (d) $\frac{1}{2}$

13 Each face of the cube is in the form of a

- (a) rectangle (b) square (c) rhombus (d) circle

14 $\frac{1}{5} + \dots\dots\dots = \frac{1}{2}$

- (a) $\frac{1}{3}$ (b) $\frac{2}{7}$ (c) $\frac{3}{10}$ (d) $\frac{1}{5}$

15 The point lies on the x-axis.

- (a) (7 , 0) (b) (0 , 3) (c) (5 , 1) (d) (1 , 7)

16 $\frac{1}{2} + \frac{6}{8} + 5 = \dots\dots\dots$

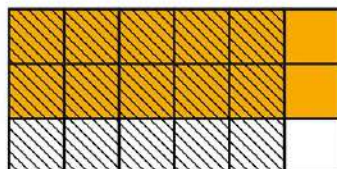
- (a) $5\frac{7}{8}$ (b) $6\frac{1}{8}$ (c) $5\frac{1}{4}$ (d) $6\frac{1}{4}$

17 If the area of one face of a cube is 16 cm^2 . Then the volume equals cm^3 .

- (a) 16 (b) 4096 (c) 64 (d) 4

18 Which multiplication statement represents the opposite model?

- (a) $\frac{6}{5} \times \frac{3}{2}$
(c) $\frac{1}{6} \times \frac{1}{3}$



- (b) $\frac{2}{3} \times \frac{5}{6}$
(d) $\frac{2}{3} \times \frac{1}{6}$



19 The horizontal number line in the coordinate plane is called

- (a) origin point (b) x-axis (c) y-axis (d) otherwise

20 The rectangle has of parallel sides.

- (a) 1 pair (b) 2 pairs (c) 3 pairs (d) 4 pairs

21 The smallest like denominator for the fractions $\frac{3}{4}$ and $\frac{2}{3}$ is

- (a) 4 (b) 3 (c) 12 (d) 24

22 $\frac{16}{48} = \frac{\dots}{3}$

- (a) 1 (b) 2 (c) 3 (d) 4

23 If the point (5 , k) lie on the x-axis, then the value of k =

- (a) 5 (b) 3 (c) 0 (d) 1

24 $3\frac{2}{5} \times \frac{1}{4} = [3 \times \frac{1}{4}] + [\dots \times \frac{1}{4}]$

- (a) $\frac{5}{2}$ (b) $\frac{17}{5}$ (c) $\frac{2}{5}$ (d) $\frac{1}{4}$

25 $2\frac{1}{7}$ is equivalent to

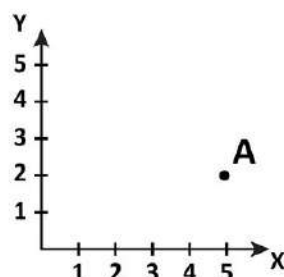
- (a) $\frac{14}{7}$ (b) $\frac{15}{17}$ (c) 15 (d) $\frac{15}{7}$

26 A rectangle with four equal sides is a

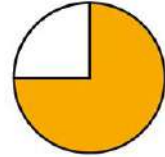
- (a) square (b) rhombus (c) trapezium (d) parallelogram

27 The order pair that represents the point A is

- (a) (2 , 5) (b) (5 , 2)
(c) (2 , 7) (d) (7 , 2)



28 The circular degree that match the fraction of the circle is shaded = °.



- (a) 270 (b) 180 (c) 90 (d) 300

29 $\frac{15}{6} = \dots\dots\dots$

- (a) $3\frac{2}{6}$ (b) $2\frac{1}{4}$ (c) $2\frac{1}{2}$ (d) $1\frac{1}{2}$

30 2 hours and a half = minutes.

- (a) 150 (b) 140 (c) 135 (d) 120

31 $\frac{15}{35} \times 7\frac{3}{5} = \frac{15}{35} \times [7 + \dots\dots\dots]$

- (a) $\frac{3}{5}$ (b) $\frac{15}{35}$ (c) $\frac{35}{15}$ (d) $7\frac{3}{5}$

32 $5 - 2\frac{2}{5} = \dots\dots\dots$

- (a) $2\frac{3}{5}$ (b) $3\frac{3}{5}$ (c) $2\frac{2}{5}$ (d) $3\frac{2}{5}$

33 A cuboid has 2 vertical slices, each slice has 5 cm^3 .
then its volume = cm^3 .

- (a) 7 (b) 3 (c) 10 (d) $\frac{2}{5}$

34 A rhombus with four right angles is a

- (a) square (b) rhombus (c) trapezium (d) parallelogram

35 $\frac{7}{5}$ is called a/an

- (a) proper fraction (b) mixed number (c) whole number (d) improper fraction

36 A is a quadrilateral with two pairs of parallel sides,
all its angles are right and all its sides are equal in length.

- (a) square (b) trapezium
(c) rhombus (d) parallelogram



37 Data can be represented by

- (a) line plot (b) bar graph (c) pie graph (d) all of them

38 Which of the following is obtuse angle?

- (a) 75° (b) 90° (c) 91° (d) 180°

39 Any triangle contains at least acute angle(s).

- (a) 1 (b) 2 (c) 3 (d) 0

40 The pentagon hasside[s].

- (a) 1 (b) 2 (c) 3 (d) 5

41 If $\frac{1}{5} \times k = \frac{1}{20}$, then the value of k =

- (a) 4 (b) $\frac{1}{4}$ (c) 15 (d) $\frac{1}{15}$

42 $\div \frac{1}{4} = 16$

- (a) 8 (b) 2 (c) 4 (d) $\frac{1}{4}$

43 The decimal that represents three-eighths of a circle =

- (a) 0.125 (b) 0.25 (c) 0.75 (d) 0.375

44 The mixed numbers $2\frac{2}{6}$ and $3\frac{6}{8}$ by using a like denominator are and

- (a) $2\frac{8}{24}, 3\frac{21}{24}$ (b) $2\frac{5}{8}, 3\frac{6}{8}$ (c) $2\frac{2}{6}, 3\frac{2}{6}$ (d) $2\frac{4}{12}, 3\frac{9}{12}$

45 $\times \frac{3}{7} = \frac{2}{7}$

- (a) $\frac{2}{3}$ (b) $\frac{3}{2}$
(c) $\frac{1}{7}$ (d) $\frac{5}{7}$



46 If the volume of a rectangular prism is 60 cm^3 , and its base area is 15 cm^2 , then its height is cm.

- (a) 4 (b) 75 (c) 45 (d) 900

47 $\frac{5}{8} \times \frac{4}{15} = \frac{1}{2} \times \dots\dots\dots$

- (a) $\frac{1}{15}$ (b) $\frac{2}{3}$ (c) $\frac{2}{10}$ (d) $\frac{1}{3}$

48 $1 - \dots\dots\dots = \frac{3}{8}$

- (a) $\frac{2}{8}$ (b) $\frac{3}{8}$ (c) $\frac{1}{2}$ (d) $\frac{5}{8}$

49 The square pyramid has triangular faces.

- (a) 4 (b) 5 (c) 7 (d) 8

50 $7 \div \frac{1}{6} = 7 \times \dots\dots\dots$

- (a) 3 (b) 1 (c) 6 (d) $\frac{7}{6}$

51 The number of vertices of a rectangular prism is

- (a) 6 (b) 8 (c) 12 (d) 5

52 $5 \times \frac{4}{7}$ is equivalent to

- (a) 20×7 (b) $2 \times \frac{10}{7}$ (c) $3 \times \frac{3}{7}$ (d) $6 \times \frac{3}{7}$

53 A cuboid with dimensions are 3 cm, 5 cm, and 10 cm, Then its volume is cm^3 .

- (a) 50 (b) 15 (c) 150 (d) 30

54 The area of rectangle its dimensions $3\frac{1}{5}$ cm, and $2\frac{1}{2}$ cm is

- (a) 8 cm (b) 8 cm^2
(c) 8 cm^3 (d) 8 m^2



55 A cuboid with height is 4 cm. and its volume is 36 cm^3 .
Then its base area equals cm^2

- (a) 144 (b) 9 (c) 40 (d) 72

56 A square has axes of symmetry.

- (a) 0 (b) 1 (c) 2 (d) 4

57 $\frac{6}{7} + \frac{9}{14} = 1 + \dots\dots\dots$

- (a) $\frac{21}{14}$ (b) $\frac{9}{7}$ (c) $\frac{1}{2}$ (d) 7

58 Area of rectangle =

- (a) $L \times W$ (b) $W \times 2$ (c) $W + L + 2$ (d) $(W + L) \times 2$

59 If $4\frac{3}{5} + m = 6\frac{2}{5}$, then the value of $m = \dots\dots\dots$

- (a) $1\frac{4}{5}$ (b) $2\frac{1}{5}$ (c) 11 (d) $1\frac{3}{5}$

60 A is a 3D shape that has two faces, each in the shape of a circle.

- (a) cylinder (b) sphere (c) cone (d) circle

61 How many fourth's are there in 8?

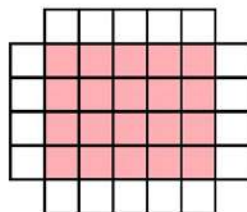
- (a) 3 (b) $\frac{1}{3}$ (c) 32 (d) $\frac{1}{2}$

62 The triangle that has a right angle and two acute angles is called a/an triangle.

- (a) acute (b) right (c) obtuse (d) otherwise

63 If the opposite shape is folded, then the volume of the resulting shape is

- (a) 20 (b) 40
(c) 38 (d) 28



64 If the sum of edges of a cube is 48 cm, then its volume equals cm³.

- (a) 24 (b) 96 (c) 16 (d) 64

65 $\frac{3}{4} \times 6 = \dots \times 3$

- (a) $\frac{3}{4}$ (b) $\frac{2}{3}$ (c) $\frac{3}{2}$ (d) $\frac{6}{9}$

66 $4 \div \frac{1}{2} = \dots$

- (a) 2 (b) 6 (c) 8 (d) $4\frac{1}{2}$

67 A triangle whose side lengths are 4 cm, 4 cm cm is an equilateral triangle

- (a) 4 (b) 7 (c) 3 (d) 5

68 If $8 \div k = 24$, then the value of k =

- (a) $\frac{1}{3}$ (b) $\frac{1}{8}$ (c) $\frac{1}{2}$ (d) 3

69 $4\frac{8}{9} + \frac{1}{3} = \dots + \frac{2}{9}$

- (a) $5\frac{2}{3}$ (b) 5 (c) 4 (d) 3

70 A parallelogram with four right angles is a

- (a) rectangle (b) rhombus (c) trapezium (d) parallelogram

71 The length of a rectangle is 6 cm and its width is $2\frac{1}{3}$ cm, then its area is cm².

- (a) $4\frac{1}{4}$ (b) $8\frac{1}{4}$ (c) $12\frac{1}{4}$ (d) 14

72 A is a 3D shape with 5 faces, one of which is a square and the other faces are in the shape of triangles

- (a) pyramid (b) cube
(c) rectangular prism (d) cone



73 If the area of one face of a cube is 9 cm^2 . Then the volume equals cm^3 .

- (a) 27 (b) 729 (c) 81 (d) 3

74 The four angles are equal in square and

- (a) rectangle (b) rhombus (c) trapezium (d) parallelogram

75 $3\frac{2}{5} \times 5 = \dots\dots\dots$

- (a) 5 (b) $\frac{17}{5}$ (c) 17 (d) $3\frac{10}{5}$

76 $\frac{35}{56} = \dots\dots\dots$

- (a) $\frac{8}{5}$ (b) $\frac{7}{5}$ (c) $\frac{7}{8}$ (d) $\frac{5}{8}$

77 $3\frac{1}{2} - \dots\dots\dots = 1\frac{3}{8}$

- (a) $2\frac{5}{8}$ (b) $1\frac{1}{8}$ (c) $1\frac{5}{8}$ (d) $2\frac{1}{8}$

78 A is a quadrilateral with one pair of acute angle and one pair of obtuse angles.

- (a) rectangle (b) square (c) trapezium (d) parallelogram

79 $3\frac{3}{4}$ hour = minutes.

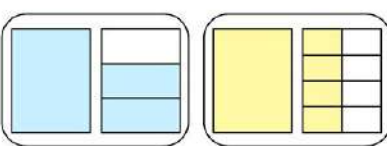
- (a) 250 (b) 225 (c) 195 (d) 230

80 A cuboid with base area is 18 cm^2 . and its height is 2 cm. Then its volume equals

- (a) 36 cm^3 (b) 72 cm^3 (c) 9 cm^3 (d) 20 cm^3

81 The addition problem that represents the following model is

(a) $1\frac{1}{3} + 1\frac{2}{3}$ (b) $1\frac{1}{3} + 1\frac{1}{2}$
(c) $1\frac{2}{3} + 1\frac{1}{2}$ (d) $1\frac{2}{3} + 1\frac{4}{6}$




82 A cuboid has 3 horizontal layers and 5 cube unit in each layer,
Then its volume = cube units

- (a) 8 (b) 2 (c) 15 (d) 9

83 The fraction $3\frac{3}{4}$ by regrouping is

- (a) $\frac{14}{4}$ (b) $2\frac{6}{4}$ (c) $1\frac{11}{4}$ (d) $2\frac{5}{4}$

84 $7\frac{1}{4} \times \dots = 1$

- (a) $\frac{4}{28}$ (b) $\frac{4}{29}$ (c) $\frac{29}{4}$ (d) $7\frac{1}{4}$

85 75° , 80° , and 25° are the measures of the angles of triangle

- (a) acute (b) right (c) obtuse (d) otherwise

86 $1 - \frac{1}{3} - \frac{2}{3} = \dots$

- (a) $\frac{1}{3}$ (b) $\frac{2}{3}$ (c) zero (d) 1

87 $4 \div \dots = 12$

- (a) $\frac{1}{3}$ (b) $\frac{1}{4}$ (c) 4 (d) 3

88 The rectangle which has two adjacent sides are equal in length is called

- (a) square (b) rhombus (c) kite (d) parallelogram

89 The angle which represents $\frac{1}{3}$ of a circle is

- (a) 120 (b) 90 (c) 180 (d) 135

90 Point is located on the x-axis.

- (a) (5 , 1) (b) (5 , 0)
(c) (1 , 5) (d) (0 , 5)



91 The measure of the central angle of the circular sector that represents $\frac{1}{8}$ of the circle is °.

- (a) 80 (b) 90 (c) 45 (d) 125

92 $\frac{6}{9} - \dots = \frac{1}{3}$

- (a) $\frac{1}{3}$ (b) $\frac{1}{9}$ (c) $\frac{5}{9}$ (d) $\frac{2}{3}$

93 A parallelogram with four equal sides is a

- (a) rectangle (b) rhombus (c) parallelogram (d) trapezium

94 In the ordered pair (7, 2), the x-coordinate is

- (a) 14 (b) 9 (c) 7 (d) 2

95 The estimate of $3\frac{4}{5} - 2\frac{1}{9}$ is

- (a) 2 (b) 0 (c) 1 (d) 5

96 $3\frac{4}{7} \times \dots = \frac{25}{7} \times \frac{12}{5}$

- (a) $1\frac{2}{5}$ (b) $2\frac{1}{5}$ (c) $2\frac{2}{5}$ (d) $5\frac{1}{2}$

97 $\div 2 = 8$

- (a) $\frac{1}{16}$ (b) $\frac{1}{2}$ (c) 2 (d) 16

98 A triangle whose side lengths are 3 cm, 5 cm, and 3 cm is called a/an triangle.

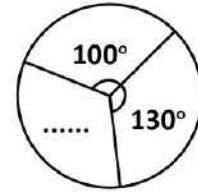
- (a) scalene (b) equilateral (c) isosceles (d) otherwise

99 A cuboid with base area is 15 cm^2 . and its volume is 90 cm^3 . Then its height equals cm

- (a) 1,350 (b) 30
(c) 6 (d) 12



100 In the opposite figure, the measure of the central angle of the colored circular sector equals°.



- (a) 360 (b) 130 (c) 230 (d) 30

101 $\frac{1}{6} \div \dots\dots\dots = 2$

- (a) 12 (b) $\frac{1}{6}$ (c) 6 (d) $\frac{1}{12}$

102 The is the point of intersection of the x-axis with the y-axis.

- (a) origin point (b) starting point (c) ending point (d) ordered pair

104 $9 - 1\frac{1}{2} = \dots\dots\dots$

- (a) $8\frac{1}{2}$ (b) $7\frac{1}{2}$ (c) 8 (d) 7

103 is the amount of liquid a container can hold.

- (a) Area (b) Perimeter (c) Volume (d) Capacity

104 $8\frac{1}{2}$  $8\frac{1}{2}$

- (a) > (b) = (c) < (d) otherwise

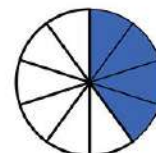
105 The point lies on the y-axis.

- (a) (8, 0) (b) (0, 8) (c) (1, 8) (d) (8, 1)

106 A rectangle whose width is $1\frac{1}{3}$ m and its area is 2 m², so its length is meters

- (a) $\frac{2}{3}$ (b) $\frac{1}{6}$ (c) 6 (d) $\frac{3}{2}$

107 The measure of the central angle that represents the opposite colored sector is °.



- (a) 36 (b) 72
(c) 144 (d) 150



Q2: Answer The Following

1 A polygon has four sides of equal length and 4 right angles. What is it?

2 Find: $4\frac{1}{3} - 2\frac{2}{3} = \dots\dots\dots$

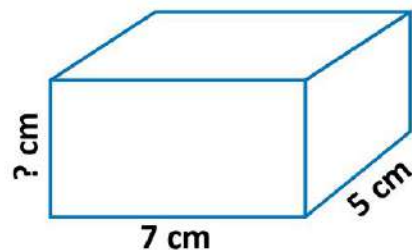
3 Using the ordered pairs: (2 , 10), (3 , 15), (4 , 20), (5 , 25)
Find the value of y when x = 6.

4 Write the missing fraction:

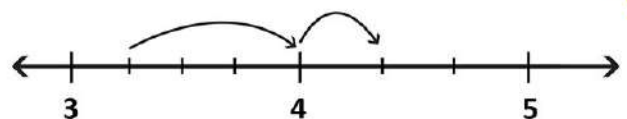
a $5\frac{2}{5} + 2\frac{1}{3} = 4 + \dots\dots\dots$

b $3\frac{1}{8} + 1\frac{3}{4} = 2 + \dots\dots\dots$

5 If the volume of the opposite rectangular prism is 350 cm^3 , find the unknown dimension.



6 The subtraction problem that represents the following number line is



7 The measure of the central angle of the circular sector that represents $\frac{2}{3}$ of the circle is °.



- 8** The rectangle whose width is $\frac{3}{4}$ cm and its area is 3 cm^2 ,
Calculate its length.

- 9** Find the missing number using any strategy. Simplify, if possible:

a $15 \frac{1}{4} - c = 8$

b $4 \frac{2}{5} + k = 9 \frac{3}{4}$

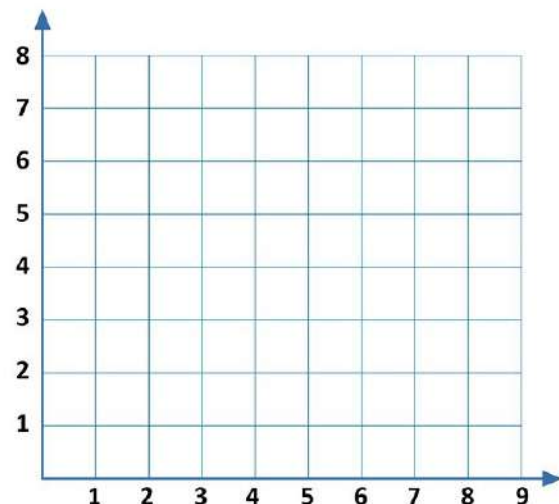
- 10** A tank of water contains $4 \frac{4}{5}$ liter of water. Sara used $1 \frac{1}{4}$ liters and
Murad drank $\frac{3}{4}$ liter, How much of water is left in the tank?

- 11** Plot the points on the XY-plane:

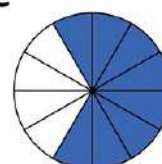
A(2 , 1), B(2 , 4), C(5 , 1).

Then join these points.

What is the name of the figure?



- 12** The opposite figure represents 360 persons participate
in a survey, then number of persons of who
represents shaded part is persons.



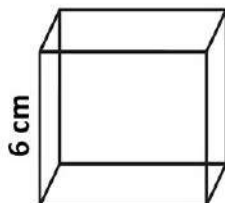
- 13 A swimming pool is in the shape of a cuboid, its base is of length 70 meters and its width is 40 meters. Find the depth if 56,000 m³ of water fill this swimming pool completely.

- 14 Alya had $2\frac{1}{2}$ pounds, and her father gave her $3\frac{1}{2}$ pounds.
She wants to buy pens that cost $\frac{1}{2}$ pounds each. How many pens can she buy?

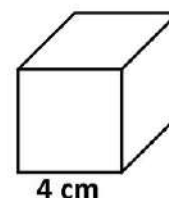
- 15 Ahmed spends $1\frac{1}{3}$ hours training for football, and $2\frac{1}{2}$ hours training for swimming. What is the total time Ahmed spends in both trainings

- 16 Find the result of the following: $2 + \frac{1}{5} + \frac{1}{2}$

- 17 Find the volume of each of the following cubes:



The volume =



The volume =



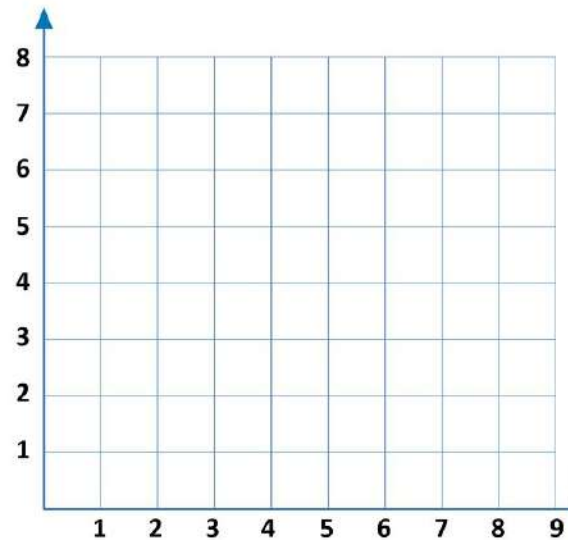
18 In ΔABC , $AB = BC = 4$ cm and $AC = 5$ cm, then it is triangle according to its side lengths.

19 Khaled bought 2 kg of sugar, $\frac{1}{4}$ kg of tea, and $\frac{1}{8}$ kg of tahini.
What is the total mass of the items Khaled bought?

20 What is $\frac{2}{7}$ of the number 35?

21 Malak has $3\frac{1}{3}$ bags of sugar, and each bag contains $1\frac{4}{5}$ kg of sugar.
What is the amount of sugar Malak has?

22 Plot the following points on the grid:
A (2, 3), B (2, 6), C (5, 6), D (5, 3),
then connect the points in order and
state the name of the resulting shape.

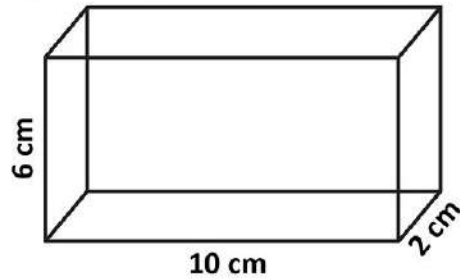


23 A rectangular prism has a volume of 120 cm^3 , a length of 8 cm
and a height of 5 cm. Find its width.



24 Find the volume of the opposite figure:

The volume =
.....



25 Maram feeds her cat $\frac{1}{8}$ kg of cat food each day.
How many days will it take for the cat to eat 4 kg of food?

26 Use the distributive property to find the product, and put the result in simplest form: $1\frac{1}{2} \times \frac{2}{3}$

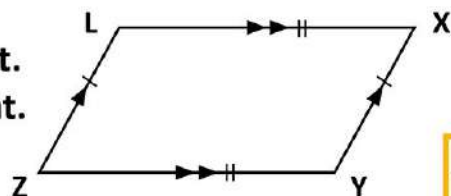
27 Mahmoud bought 5 pens, the price of one pen is $8\frac{1}{2}$ LE.
What is the total price of the pens?

28 Beso bought $\frac{4}{7}$ kilogram of flour and $\frac{1}{3}$ kilogram of sugar.
What is the total mass of what Beso bought?

29 A toy box in the shape of a rectangular prism whose base is square with a side length of 8 cm and a height of 18 cm. Calculate the volume of the box.

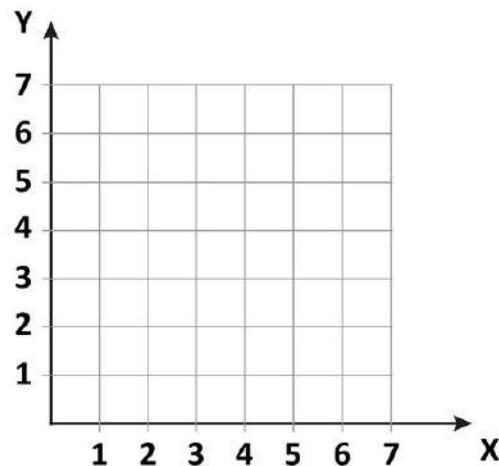
30 Study the corresponding figure, then complete:

- (a) The corresponding figure is called
- (b) YZ and are parallel and congruent.
- (c) LZ and are parallel and congruent.
- (d) $\angle X$ and $\angle Z$ are angles.
- (e) $\angle Y$ and $\angle L$ are angles.



- 31 Ahmed Nassr collected $4\frac{1}{4}$ kg of dates, he gave $2\frac{3}{5}$ kg to his friend.
How many kilograms are left with Ahmed Nassr?

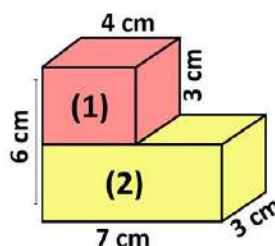
- 32 Locate the following points on the coordinate grid
A (1 , 1), B (6 , 1), C (6 , 4), D (1 , 4),
Then connect them. Find:
The name of the figure:
AB // , BC //
CD = , AD =



- 33 Farida had $15\frac{1}{2}$ pounds, she bought a ruler for $4\frac{1}{4}$ pounds and a pen for $5\frac{1}{2}$ pounds. What is the remaining amount with Farida?

- 34 Find the volume of the opposite figure:

The volume of (1) =
The volume of (2) =
The volume of figure =



- 35 The values of the missing number in the table are and

x values	1	2	3	4	5
y values	4	8	12	.....	.....

- 36 A rectangle has a length of $1\frac{1}{3}$ cm and a width of $\frac{1}{3}$ cm. Find its area.



37 Find the result in the simplest form:

a $\frac{3}{4} + \frac{5}{6}$

b $3\frac{1}{2} - 1\frac{1}{6}$

38 State the number of vertices of the cone, sphere, and cylinder.

39 A rectangular prism has 2 vertical slices, each slice has a volume of 4 cm^3 ,
Find the volume?

40 Which two types of triangles are shown?

a Scalene triangle

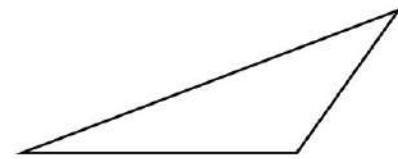
b Isosceles triangle

c Equilateral triangle

d Right triangle

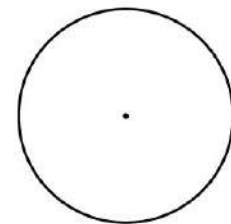
e Acute triangle

f Obtuse triangle



41 The following table represents the results of a questionnaire about the most preferred fruit by a group of students:

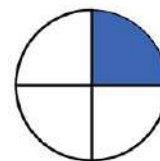
Fruit	Mango	Apple	Banana	Orange
No. of student	18	9	6	3



Shade the pie chart using the data in the table,
then write the fraction that represents each fruit:

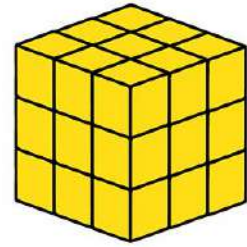
Mango:, Apple:, Banana:, Orange:

42 The opposite figure represents 80 persons participate
in a survey, then number of persons of
who represents shaded part is persons.



- 43 There are 5 kg of chickpeas, and the worker packs them into containers, each holding $\frac{1}{8}$ kg. How many containers are needed?

- 44 When the opposite 3D shape is divided into 3 slices, each slice contains cubes.



- 45 How many acute angles are there in an equilateral triangle?



Q1: Choose the correct answer

1 The x-coordinate of the point (5 , 3) is

☒ a 5

☐ b 8

☐ c 3

☐ d 2

2 $3\frac{1}{4} + m = 5\frac{1}{2}$, then the value of m =

☐ a $1\frac{1}{2}$

☐ b $2\frac{1}{2}$

☐ c $1\frac{1}{4}$

☒ d $2\frac{1}{4}$

3 The y-coordinate of the point (7 , 2) is

☐ a 5

☐ b 9

☐ c 7

☒ d 2

4 $1\frac{1}{3}$ year = months.

☒ a 16

☐ b 15

☐ c 18

☐ d 14

5 $\frac{5}{7} + k = 1\frac{2}{7}$, then k =

☐ a $\frac{3}{7}$

☒ b $\frac{4}{7}$

☐ c $1\frac{4}{7}$

☐ d $\frac{2}{7}$

6 $\frac{8}{9} \times \frac{\dots}{6} = \frac{4}{9}$

☐ a 8

☐ b 1

☒ c 3

☐ d 4

7 $\frac{3}{4} \times \dots = \frac{3}{8}$

☐ a $\frac{1}{4}$

☐ b $\frac{2}{2}$

☐ c $1\frac{1}{2}$

☒ d $\frac{1}{2}$

8 The missing part of the opposite pie chart =

☐ a 0.25

☒ b 0.20

☐ c 0.30

☐ d 0.35



9 $3\frac{3}{4}$ hour = minutes.

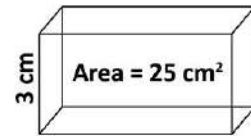
☐ a 250

☒ b 225

☐ c 195

☐ d 230





10 The volume of the opposite solid is cm^3 .

☐ a 50

☒ b 75

☐ c 100

☐ d 25

11 130 minutes = hours.

☒ a $2\frac{1}{6}$

☐ b $2\frac{1}{2}$

☐ c $2\frac{1}{4}$

☐ d $2\frac{1}{3}$

12 $\frac{2}{5} + \frac{2}{10} = \dots\dots\dots$

☒ a $\frac{3}{5}$

☐ b $\frac{7}{10}$

☐ c $\frac{5}{10}$

☐ d $\frac{1}{2}$

13 Each face of the cube is in the form of a

☐ a rectangle

☒ b square

☐ c rhombus

☐ d circle

14 $\frac{1}{5} + \dots\dots\dots = \frac{1}{2}$

☐ a $\frac{1}{3}$

☐ b $\frac{2}{7}$

☒ c $\frac{3}{10}$

☐ d $\frac{1}{5}$

15 The point lies on the x-axis.

☒ a (7 , 0)

☐ b (0 , 3)

☐ c (5 , 1)

☐ d (1 , 7)

16 $\frac{1}{2} + \frac{6}{8} + 5 = \dots\dots\dots$

☐ a $5\frac{7}{8}$

☐ b $6\frac{1}{8}$

☐ c $5\frac{1}{4}$

☒ d $6\frac{1}{4}$

17 If the area of one face of a cube is 16 cm^2 . Then the volume equals cm^3 .

☐ a 16

☐ b 4096

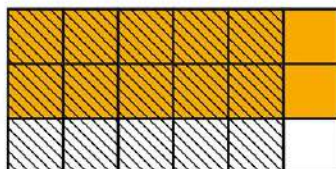
☒ c 64

☐ d 4

18 Which multiplication statement represents the opposite model?

☐ a $\frac{6}{5} \times \frac{3}{2}$

☐ c $\frac{1}{6} \times \frac{1}{3}$



☒ b $\frac{2}{3} \times \frac{5}{6}$

☐ d $\frac{2}{3} \times \frac{1}{6}$



19 The horizontal number line in the coordinate plane is called

- ☐ a origin point ☒ b x-axis ☐ c y-axis ☐ d otherwise

20 The rectangle has of parallel sides.

- ☐ a 1 pair ☒ b 2 pairs ☐ c 3 pairs ☐ d 4 pairs

21 The smallest like denominator for the fractions $\frac{3}{4}$ and $\frac{2}{3}$ is

- ☐ a 4 ☐ b 3 ☒ c 12 ☐ d 24

22 $\frac{16}{48} = \frac{\dots}{3}$

- ☒ a 1 ☐ b 2 ☐ c 3 ☐ d 4

23 If the point (5 , k) lie on the x-axis, then the value of k =

- ☐ a 5 ☐ b 3 ☒ c 0 ☐ d 1

24 $3\frac{2}{5} \times \frac{1}{4} = [3 \times \frac{1}{4}] + [\dots \times \frac{1}{4}]$

- ☐ a $\frac{5}{2}$ ☐ b $\frac{17}{5}$ ☒ c $\frac{2}{5}$ ☐ d $\frac{1}{4}$

25 $2\frac{1}{7}$ is equivalent to

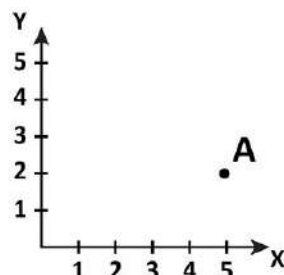
- ☐ a $\frac{14}{7}$ ☐ b $\frac{15}{17}$ ☐ c 15 ☒ d $\frac{15}{7}$

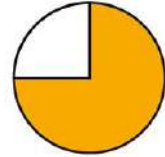
26 A rectangle with four equal sides is a

- ☒ a square ☐ b rhombus ☐ c trapezium ☐ d parallelogram

27 The order pair that represents the point A is

- ☐ a (2 , 5) ☒ b (5 , 2) ☐ c (2 , 7) ☐ d (7 , 2)





28 The circular degree that match the fraction of the circle is shaded = °.

☒ a 270

☐ b 180

☐ c 90

☐ d 300

29 $\frac{15}{6} = \dots\dots\dots$

☐ a $3\frac{2}{6}$

☐ b $2\frac{1}{4}$

☒ c $2\frac{1}{2}$

☐ d $1\frac{1}{2}$

30 2 hours and a half = minutes.

☒ a 150

☐ b 140

☐ c 135

☐ d 120

31 $\frac{15}{35} \times 7\frac{3}{5} = \frac{15}{35} \times [7 + \dots\dots\dots]$

☒ a $\frac{3}{5}$

☐ b $\frac{15}{35}$

☐ c $\frac{35}{15}$

☐ d $7\frac{3}{5}$

32 $5 - 2\frac{2}{5} = \dots\dots\dots$

☒ a $2\frac{3}{5}$

☐ b $3\frac{3}{5}$

☐ c $2\frac{2}{5}$

☐ d $3\frac{2}{5}$

33 A cuboid has 2 vertical slices, each slice has 5 cm^3 . then its volume = cm^3 .

☐ a 7

☐ b 3

☒ c 10

☐ d $\frac{2}{5}$

34 A rhombus with four right angles is a

☒ a square

☐ b rhombus

☐ c trapezium

☐ d parallelogram

35 $\frac{7}{5}$ is called a/an

☐ a proper fraction

☐ b mixed number

☐ c whole number

☒ d improper fraction

36 A is a quadrilateral with two pairs of parallel sides, all its angles are right and all its sides are equal in length.

☒ a square

☐ b trapezium

☐ c rhombus

☐ d parallelogram



37 Data can be represented by

- ☐ a line plot ☐ b bar graph ☐ c pie graph ☒ d all of them

38 Which of the following is obtuse angle?

- ☐ a 75° ☐ b 90° ☒ c 91° ☐ d 180°

39 Any triangle contains at least acute angle(s).

- ☐ a 1 ☒ b 2 ☐ c 3 ☐ d 0

40 The pentagon hasside[s].

- ☐ a 1 ☐ b 2 ☐ c 3 ☒ d 5

41 If $\frac{1}{5} \times k = \frac{1}{20}$, then the value of k =

- ☐ a 4 ☒ b $\frac{1}{4}$ ☐ c 15 ☐ d $\frac{1}{15}$

42 $\div \frac{1}{4} = 16$

- ☐ a 8 ☐ b 2 ☒ c 4 ☐ d $\frac{1}{4}$

43 The decimal that represents three-eighths of a circle =

- ☐ a 0.125 ☐ b 0.25 ☐ c 0.75 ☒ d 0.375

44 The mixed numbers $2\frac{2}{6}$ and $3\frac{6}{8}$ by using a like denominator are and

- ☐ a $2\frac{8}{24}, 3\frac{21}{24}$ ☐ b $2\frac{5}{8}, 3\frac{6}{8}$ ☐ c $2\frac{2}{6}, 3\frac{2}{6}$ ☒ d $2\frac{4}{12}, 3\frac{9}{12}$

45 $\times \frac{3}{7} = \frac{2}{7}$

- ☒ a $\frac{2}{3}$ ☐ b $\frac{3}{2}$
☐ c $\frac{1}{7}$ ☐ d $\frac{5}{7}$



46 If the volume of a rectangular prism is 60 cm^3 , and its base area is 15 cm^2 , then its height is cm.

☒ a 4

☐ b 75

☐ c 45

☐ d 900

47 $\frac{5}{8} \times \frac{4}{15} = \frac{1}{2} \times \dots\dots\dots$

☐ a $\frac{1}{15}$

☐ b $\frac{2}{3}$

☐ c $\frac{2}{10}$

☒ d $\frac{1}{3}$

48 $1 - \dots\dots\dots = \frac{3}{8}$

☐ a $\frac{2}{8}$

☐ b $\frac{3}{8}$

☐ c $\frac{1}{2}$

☒ d $\frac{5}{8}$

49 The square pyramid has triangular faces.

☒ a 4

☐ b 5

☐ c 7

☐ d 8

50 $7 \div \frac{1}{6} = 7 \times \dots\dots\dots$

☐ a 3

☐ b 1

☒ c 6

☐ d $\frac{7}{6}$

51 The number of vertices of a rectangular prism is

☐ a 6

☒ b 8

☐ c 12

☐ d 5

52 $5 \times \frac{4}{7}$ is equivalent to

☐ a 20×7

☒ b $2 \times \frac{10}{7}$

☐ c $3 \times \frac{3}{7}$

☐ d $6 \times \frac{3}{7}$

53 A cuboid with dimensions are 3 cm, 5 cm, and 10 cm, Then its volume is cm^3 .

☐ a 50

☐ b 15

☒ c 150

☐ d 30

54 The area of rectangle its dimensions $3\frac{1}{5}$ cm, and $2\frac{1}{2}$ cm is

☐ a 8 cm

☒ b 8 cm^2

☐ c 8 cm^3

☐ d 8 m^2



55 A cuboid with height is 4 cm. and its volume is 36 cm^3 .
Then its base area equals cm^2

- (a) 144 (b) 9 (c) 40 (d) 72

56 A square has axes of symmetry.

- (a) 0 (b) 1 (c) 2 (d) 4

57 $\frac{6}{7} + \frac{9}{14} = 1 + \dots\dots\dots$

- (a) $\frac{21}{14}$ (b) $\frac{9}{7}$ (c) $\frac{1}{2}$ (d) 7

58 Area of rectangle =

- (a) $L \times W$ (b) $W \times 2$ (c) $W + L + 2$ (d) $(W + L) \times 2$

59 If $4\frac{3}{5} + m = 6\frac{2}{5}$, then the value of $m = \dots\dots\dots$

- (a) $1\frac{4}{5}$ (b) $2\frac{1}{5}$ (c) 11 (d) $1\frac{3}{5}$

60 A is a 3D shape that has two faces, each in the shape of a circle.

- (a) cylinder (b) sphere (c) cone (d) circle

61 How many fourth's are there in 8?

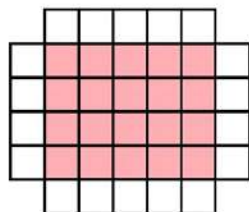
- (a) 3 (b) $\frac{1}{3}$ (c) 32 (d) $\frac{1}{2}$

62 The triangle that has a right angle and two acute angles is called a/an triangle.

- (a) acute (b) right (c) obtuse (d) otherwise

63 If the opposite shape is folded, then the volume of the resulting shape is

- (a) 20 (b) 40
(c) 38 (d) 28



64 If the sum of edges of a cube is 48 cm, then its volume equals cm³.

☐ a 24

☐ b 96

☐ c 16

☒ d 64

65 $\frac{3}{4} \times 6 = \dots \times 3$

☐ a $\frac{3}{4}$

☐ b $\frac{2}{3}$

☒ c $\frac{3}{2}$

☐ d $\frac{6}{9}$

66 $4 \div \frac{1}{2} = \dots$

☐ a 2

☐ b 6

☒ c 8

☐ d $4\frac{1}{2}$

67 A triangle whose side lengths are 4 cm, 4 cm cm is an equilateral triangle

☒ a 4

☐ b 7

☐ c 3

☐ d 5

68 If $8 \div k = 24$, then the value of k =

☒ a $\frac{1}{3}$

☐ b $\frac{1}{8}$

☐ c $\frac{1}{2}$

☐ d 3

69 $4\frac{8}{9} + \frac{1}{3} = \dots + \frac{2}{9}$

☐ a $5\frac{2}{3}$

☒ b 5

☐ c 4

☐ d 3

70 A parallelogram with four right angles is a

☒ a rectangle

☐ b rhombus

☐ c trapezium

☐ d parallelogram

71 The length of a rectangle is 6 cm and its width is $2\frac{1}{3}$ cm, then its area is cm².

☐ a $4\frac{1}{4}$

☐ b $8\frac{1}{4}$

☐ c $12\frac{1}{4}$

☒ d 14

72 A is a 3D shape with 5 faces, one of which is a square and the other faces are in the shape of triangles

☒ a pyramid

☐ b cube

☐ c rectangular prism

☐ d cone



73 If the area of one face of a cube is 9 cm^2 . Then the volume equals cm^3 .

☒ a 27

☐ b 729

☐ c 81

☐ d 3

74 The four angles are equal in square and

☒ a rectangle

☐ b rhombus

☐ c trapezium

☐ d parallelogram

75 $3\frac{2}{5} \times 5 = \dots\dots\dots$

☐ a 5

☐ b $\frac{17}{5}$

☒ c 17

☐ d $3\frac{10}{5}$

76 $\frac{35}{56} = \dots\dots\dots$

☐ a $\frac{8}{5}$

☐ b $\frac{7}{5}$

☐ c $\frac{7}{8}$

☒ d $\frac{5}{8}$

77 $3\frac{1}{2} - \dots\dots\dots = 1\frac{3}{8}$

☐ a $2\frac{5}{8}$

☐ b $1\frac{1}{8}$

☐ c $1\frac{5}{8}$

☒ d $2\frac{1}{8}$

78 A is a quadrilateral with one pair of acute angle and one pair of obtuse angles.

☐ a rectangle

☐ b square

☐ c trapezium

☒ d parallelogram

79 $3\frac{3}{4}$ hour = minutes.

☐ a 250

☒ b 225

☐ c 195

☐ d 230

80 A cuboid with base area is 18 cm^2 . and its height is 2 cm. Then its volume equals

☒ a 36 cm^3

☐ b 72 cm^3

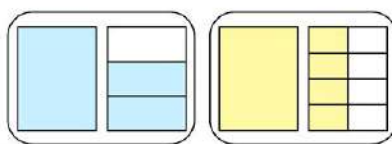
☐ c 9 cm^3

☐ d 20 cm^3

81 The addition problem that represents the following model is

☐ a $1\frac{1}{3} + 1\frac{2}{3}$

☒ c $1\frac{2}{3} + 1\frac{1}{2}$



☐ b $1\frac{1}{3} + 1\frac{1}{2}$

☐ d $1\frac{2}{3} + 1\frac{4}{6}$



82 A cuboid has 3 horizontal layers and 5 cube unit in each layer,
Then its volume = cube units

☐ a 8

☐ b 2

☒ c 15

☐ d 9

83 The fraction $3\frac{3}{4}$ by regrouping is

☐ a $\frac{14}{4}$

☐ b $2\frac{6}{4}$

☒ c $1\frac{11}{4}$

☐ d $2\frac{5}{4}$

84 $7\frac{1}{4} \times \dots = 1$

☐ a $\frac{4}{28}$

☒ b $\frac{4}{29}$

☐ c $\frac{29}{4}$

☐ d $7\frac{1}{4}$

85 75° , 80° , and 25° are the measures of the angles of triangle

☒ a acute

☐ b right

☐ c obtuse

☐ d otherwise

86 $1 - \frac{1}{3} - \frac{2}{3} = \dots$

☐ a $\frac{1}{3}$

☐ b $\frac{2}{3}$

☒ c zero

☐ d 1

87 $4 \div \dots = 12$

☒ a $\frac{1}{3}$

☐ b $\frac{1}{4}$

☐ c 4

☐ d 3

88 The rectangle which has two adjacent sides are equal in length is called

☒ a square

☐ b rhombus

☐ c kite

☐ d parallelogram

89 The angle which represents $\frac{1}{3}$ of a circle is

☒ a 120

☐ b 90

☐ c 180

☐ d 135

90 Point is located on the x-axis.

☐ a (5 , 1)

☒ b (5 , 0)

☐ c (1 , 5)

☐ d (0 , 5)



91 The measure of the central angle of the circular sector that represents $\frac{1}{8}$ of the circle is °.

☐ a 80

☐ b 90

☒ c 45

☐ d 125

92 $\frac{6}{9} - \dots = \frac{1}{3}$

☒ a $\frac{1}{3}$

☐ b $\frac{1}{9}$

☐ c $\frac{5}{9}$

☐ d $\frac{2}{3}$

93 A parallelogram with four equal sides is a

☐ a rectangle

☒ b rhombus

☐ c parallelogram

☐ d trapezium

94 In the ordered pair (7, 2), the x-coordinate is

☐ a 14

☐ b 9

☒ c 7

☐ d 2

95 The estimate of $3\frac{4}{5} - 2\frac{1}{9}$ is

☒ a 2

☐ b 0

☐ c 1

☐ d 5

96 $3\frac{4}{7} \times \dots = \frac{25}{7} \times \frac{12}{5}$

☐ a $1\frac{2}{5}$

☐ b $2\frac{1}{5}$

☒ c $2\frac{2}{5}$

☐ d $5\frac{1}{2}$

97 $\div 2 = 8$

☐ a $\frac{1}{16}$

☐ b $\frac{1}{2}$

☐ c 2

☒ d 16

98 A triangle whose side lengths are 3 cm, 5 cm, and 3 cm is called a/an triangle.

☐ a scalene

☐ b equilateral

☒ c isosceles

☐ d otherwise

99 A cuboid with base area is 15 cm^2 . and its volume is 90 cm^3 . Then its height equals cm

☐ a 1,350

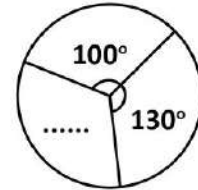
☐ b 30

☒ c 6

☐ d 12



100 In the opposite figure, the measure of the central angle of the colored circular sector equals°.



a 360

b 130

c 230

d 30

101 $\frac{1}{6} \div \dots\dots\dots = 2$

a 12

b $\frac{1}{6}$

c 6

d $\frac{1}{12}$

102 The is the point of intersection of the x-axis with the y-axis.

a origin point

b starting point

c ending point

d ordered pair

104 $9 - 1\frac{1}{2} = \dots\dots\dots$

a $8\frac{1}{2}$

b $7\frac{1}{2}$

c 8

d 7

103 is the amount of liquid a container can hold.

a Area

b Perimeter

c Volume

d Capacity

104 $8\frac{1}{2}$  $8\frac{1}{2}$

a >

b =

c <

d otherwise

105 The point lies on the y-axis.

a (8, 0)

b (0, 8)

c (1, 8)

d (8, 1)

106 A rectangle whose width is $1\frac{1}{3}$ m and its area is 2 m², so its length is meters

a $\frac{2}{3}$

b $\frac{1}{6}$

c 6

d $\frac{3}{2}$

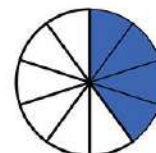
107 The measure of the central angle that represents the opposite colored sector is °.

a 36

b 72

c 144

d 150



Q2: Answer The Following

- 1) A polygon has four sides of equal length and 4 right angles. What is it?

A square

2) Find: $4\frac{1}{3} - 2\frac{2}{3} = \dots\dots\dots$

- 3) Using the ordered pairs: (2 , 10), (3 , 15), (4 , 20), (5 , 25)
Find the value of y when x = 6.

30

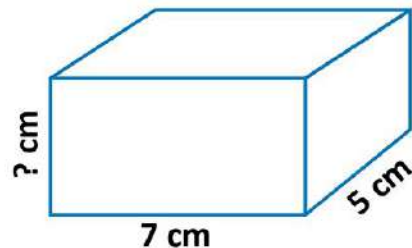
- 4) Write the missing fraction:

a) $5\frac{2}{5} + 2\frac{1}{3} = 4 + \dots\dots\dots$

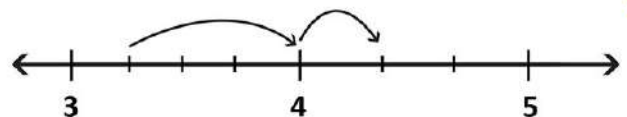
b) $3\frac{1}{8} + 1\frac{3}{4} = 2 + \dots\dots\dots$

- 5) If the volume of the opposite rectangular prism is 350 cm^3 , find the unknown dimension.

10 cm



- 6) The subtraction problem that represents the following number line
is $\dots\dots\dots$



- 7) The measure of the central angle of the circular sector that
represents $\frac{2}{3}$ of the circle is $\dots\dots\dots^\circ$.



- 8 The rectangle whose width is $\frac{3}{4}$ cm and its area is 3 cm^2 ,
Calculate its length.

4 cm

- 9 Find the missing number using any strategy. Simplify, if possible:

a $15 \frac{1}{4} - c = 8$

b $4 \frac{2}{5} + k = 9 \frac{3}{4}$

$7 \frac{1}{4}$

$5 \frac{7}{20}$

- 10 A tank of water contains $4 \frac{4}{5}$ liter of water. Sara used $1 \frac{1}{4}$ liters and
Murad drank $\frac{3}{4}$ liter, How much of water is left in the tank?

$2 \frac{4}{5}$

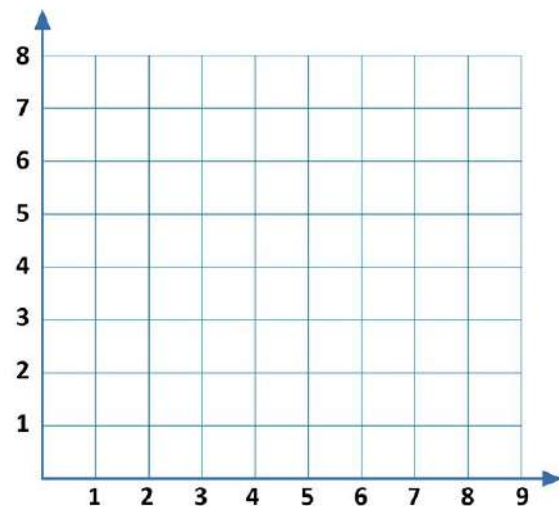
- 11 Plot the points on the XY-plane:

A(2 , 1), B(2 , 4), C(5 , 1).

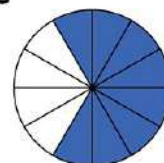
Then join these points.

What is the name of the figure?

A right-angled triangle



- 12 The opposite figure represents 360 persons participate
in a survey, then number of persons of who
represents shaded part is240..... persons.



Follow for More!

- 13) A swimming pool is in the shape of a cuboid, its base is of length 70 meters and its width is 40 meters. Find the depth if 56,000 m³ of water fill this swimming pool completely.

20 meters

- 14) Alya had $2\frac{1}{2}$ pounds, and her father gave her $3\frac{1}{2}$ pounds. She wants to buy pens that cost $\frac{1}{2}$ pounds each. How many pens can she buy?

12 pens

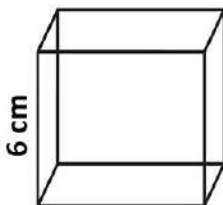
- 15) Ahmed spends $1\frac{1}{3}$ hours training for football, and $2\frac{1}{2}$ hours training for swimming. What is the total time Ahmed spends in both trainings

$3\frac{5}{6}$

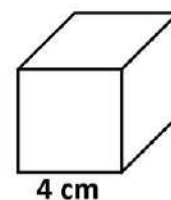
- 16) Find the result of the following: $2 + \frac{1}{5} + \frac{1}{2}$

$2\frac{7}{10}$

- 17) Find the volume of each of the following cubes:



The volume = 216 cm^3



The volume = 64 cm^3



18 In ΔABC , $AB = BC = 4$ cm and $AC = 5$ cm, then it is triangle according to its side lengths.

isosceles

19 Khaled bought 2 kg of sugar, $\frac{1}{4}$ kg of tea, and $\frac{1}{8}$ kg of tahini.
What is the total mass of the items Khaled bought?

$2 \frac{3}{8}$

20 What is $\frac{2}{7}$ of the number 35?

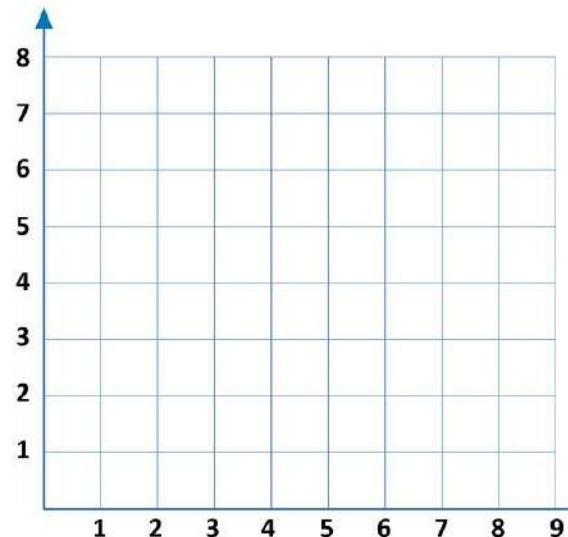
10

21 Malak has $3 \frac{1}{3}$ bags of sugar, and each bag contains $1 \frac{4}{5}$ kg of sugar.
What is the amount of sugar Malak has?

6 kg

22 Plot the following points on the grid:
A (2, 3), B (2, 6), C (5, 6), D (5, 3),
then connect the points in order and
state the name of the resulting shape.

square



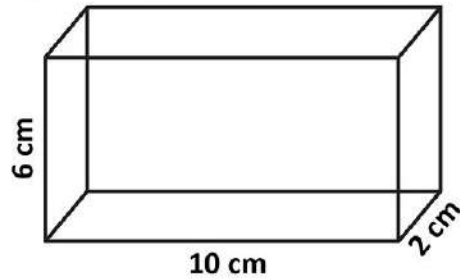
23 A rectangular prism has a volume of 120 cm^3 , a length of 8 cm and a height of 5 cm. Find its width.

3 cm



- 24 Find the volume of the opposite figure:

The volume =
120 cm³
.....



- 25 Maram feeds her cat $\frac{1}{8}$ kg of cat food each day.
How many days will it take for the cat to eat 4 kg of food?

32 days

- 26 Use the distributive property to find the product, and put the result in simplest form: $1\frac{1}{2} \times \frac{2}{3}$

1

- 27 Mahmoud bought 5 pens, the price of one pen is $8\frac{1}{2}$ LE.
What is the total price of the pens?

42 $\frac{1}{2}$

- 28 Beso bought $\frac{4}{7}$ kilogram of flour and $\frac{1}{3}$ kilogram of sugar.
What is the total mass of what Beso bought?

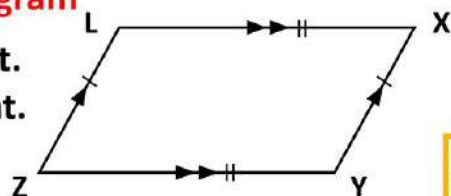
$\frac{19}{21}$

- 29 A toy box in the shape of a rectangular prism whose base is square with a side length of 8 cm and a height of 18 cm. Calculate the volume of the box.

1,152 cm³

- 30 Study the corresponding figure, then complete:

- (a) The corresponding figure is called parallelogram
(b) YZ and XL are parallel and congruent.
(c) LZ and YX are parallel and congruent.
(d) $\angle X$ and $\angle Z$ are acute angles.
(e) $\angle Y$ and $\angle L$ are obtuse angles.



- 31 Ahmed Nassr collected $4\frac{1}{4}$ kg of dates, he gave $2\frac{3}{5}$ kg to his friend.
How many kilograms are left with Ahmed Nassr?

$$1\frac{13}{20}$$

- 32 Locate the following points on the coordinate grid

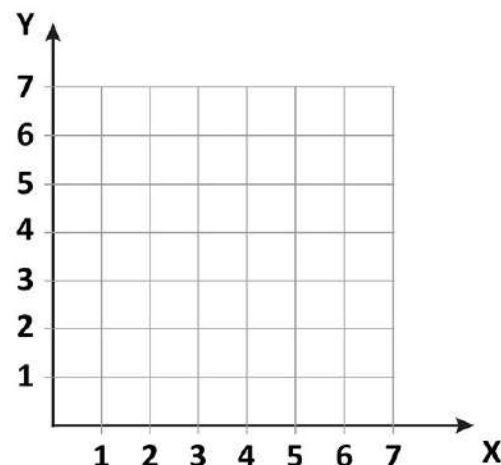
A (1 , 1), B (6 , 1), C (6 , 4), D (1 , 4),

Then connect them. Find:

The name of the figure:rectangle.....

AB //CD....., BC //AD.....

CD =5..... units, AD =3..... units.



- 33 Farida had $15\frac{1}{2}$ pounds, she bought a ruler for $4\frac{1}{4}$ pounds and a pen for $5\frac{1}{2}$ pounds. What is the remaining amount with Farida?

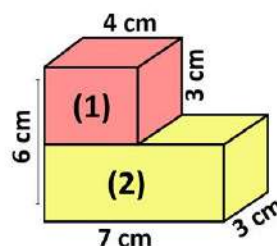
$$5\frac{3}{4}$$

- 34 Find the volume of the opposite figure:

The volume of (1) =36.....

The volume of (2) =63.....

The volume of figure =99.....



- 35 The values of the missing number in the table are16..... and20.....

x values	1	2	3	4	5
y values	4	8	12	.....	.....

- 36 A rectangle has a length of $1\frac{1}{3}$ cm and a width of $\frac{1}{3}$ cm. Find its area.

$$\frac{4}{9}$$



37 Find the result in the simplest form:

a $\frac{3}{4} + \frac{5}{6}$
 $1\frac{7}{12}$

b $3\frac{1}{2} - 1\frac{1}{6}$
 $2\frac{1}{3}$

38 State the number of vertices of the cone, sphere, and cylinder.

Cone = 1, Sphere = 0, Cylinder = 0

39 A rectangular prism has 2 vertical slices, each slice has a volume of 4 cm^3 , Find the volume?

8 cm^3

40 Which two types of triangles are shown?

a Scalene triangle

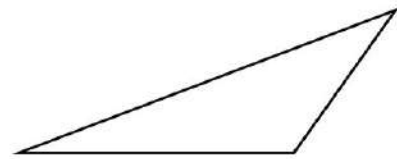
b Isosceles triangle

c Equilateral triangle

d Right triangle

e Acute triangle

f Obtuse triangle

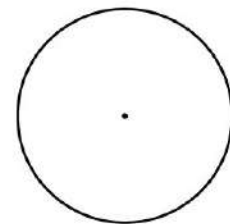


41 The following table represents the results of a questionnaire about the most preferred fruit by a group of students:

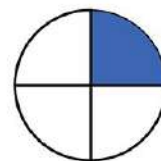
Fruit	Mango	Apple	Banana	Orange
No. of student	18	9	6	3

Shade the pie chart using the data in the table, then write the fraction that represents each fruit:

Mango: $\frac{1}{2}$, Apple: $\frac{1}{4}$, Banana: $\frac{1}{6}$, Orange: $\frac{1}{12}$



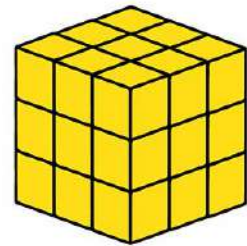
42 The opposite figure represents 80 persons participate in a survey, then number of persons of who represents shaded part is 20 persons.



- 43) There are 5 kg of chickpeas, and the worker packs them into containers, each holding $\frac{1}{8}$ kg. How many containers are needed?

40 containers

- 44) When the opposite 3D shape is divided into 3 slices, each slice contains cubes.



- 45) How many acute angles are there in an equilateral triangle?

3



كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

